

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: P416632

Luminaire Tested: **LXF.LXT-PA1-80-727-U-5WQ-A**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416632  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-80-727-U-5WQ-A  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS AND REFRACTOR PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7673 lumens  
Efficiency: N/A  
Efficacy: 92.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B3 - U3 - G3

Input Watts (W): 83  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

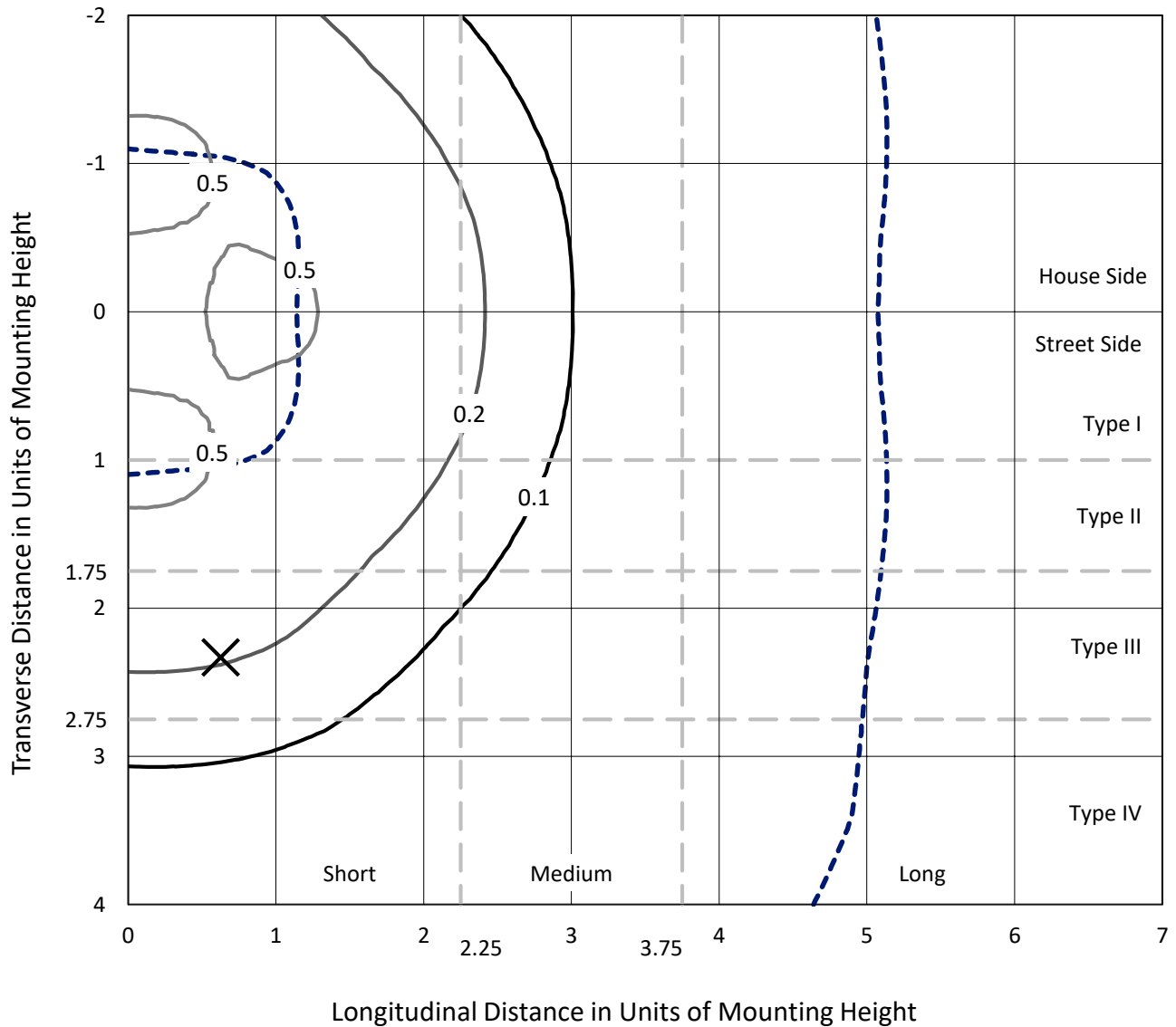


REPORT NUMBER: P416632

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-5WQ-A

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

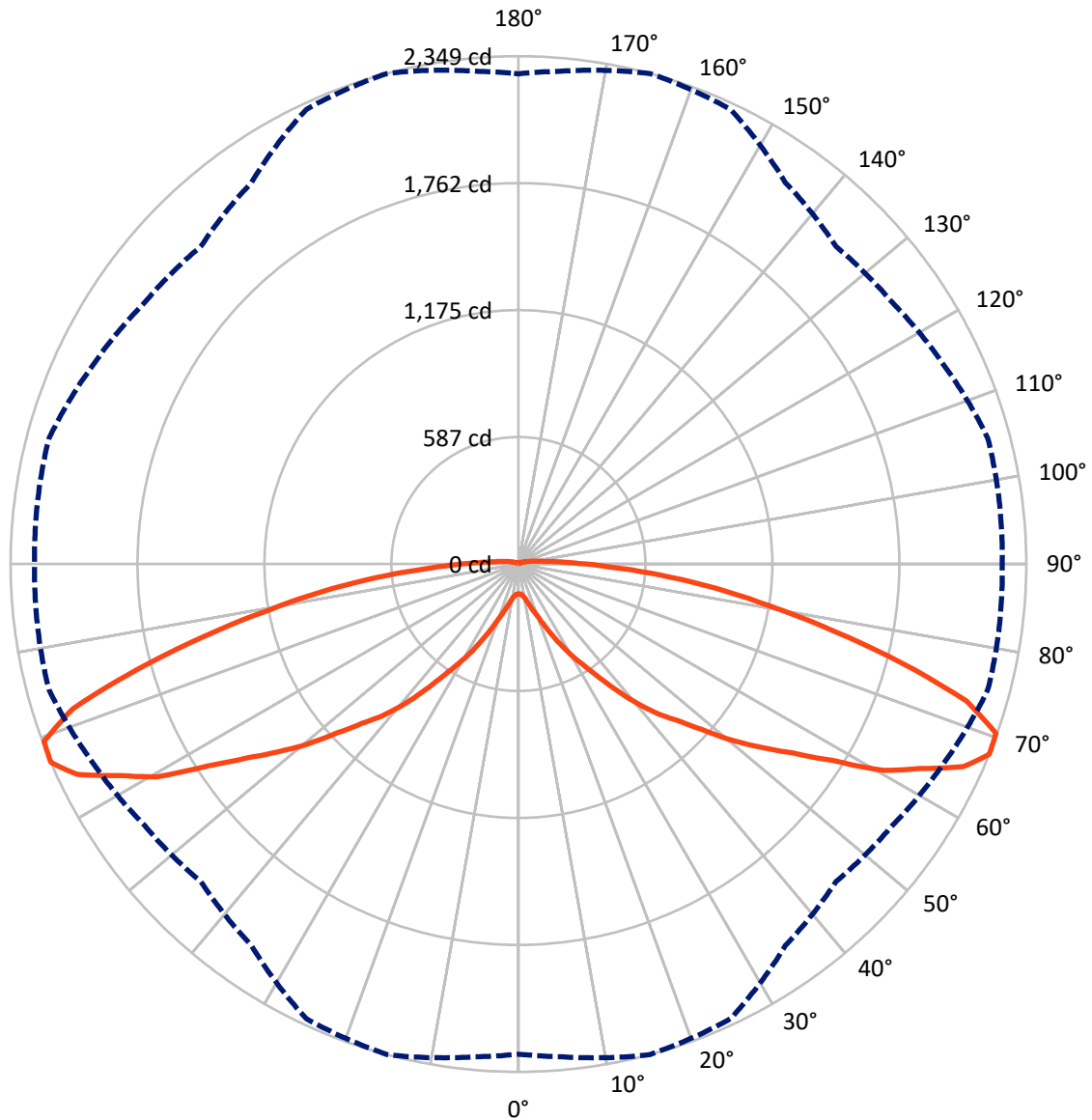


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc  
 Type V - Short - Non-Cutoff

REPORT NUMBER: P416632

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-5WQ-A

### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P416632

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-5WQ-A

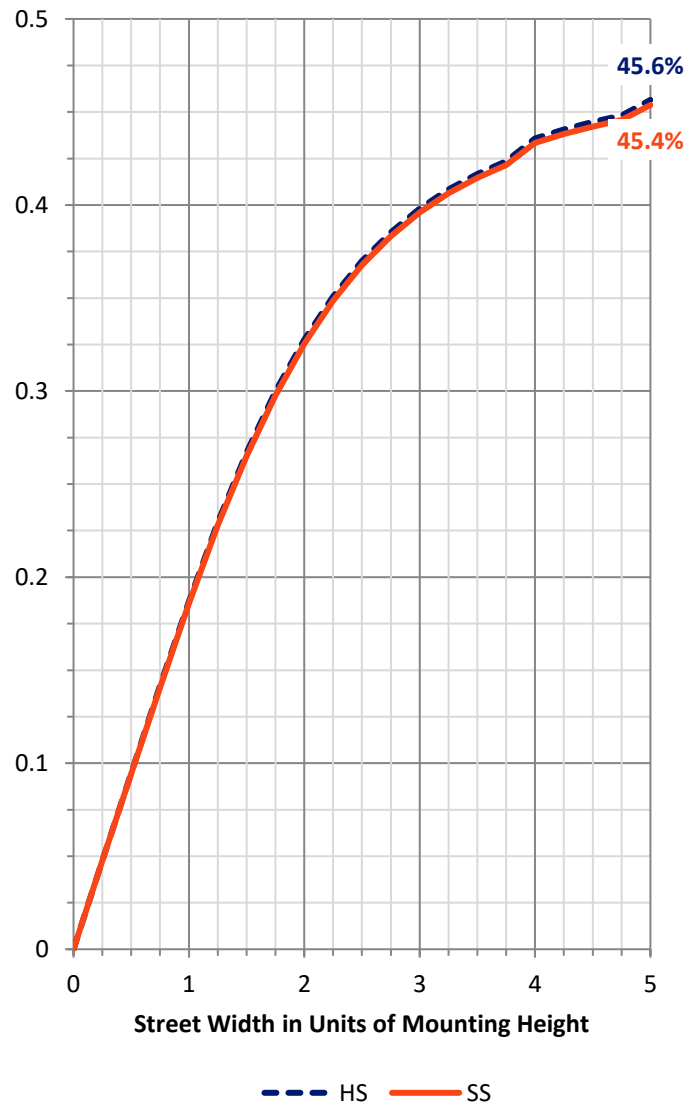
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3685.1	151.4	3836.5
	% Fixture	48.0	2.0	50.0
<b>Street Side</b>	Lumens	3685.1	151.4	3836.5
	% Fixture	48.0	2.0	50.0
<b>Total</b>	Lumens	7370.2	302.8	7673.0
	% Fixture	96.1	3.9	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.0	0.2
10°-20°	57.3	0.7
20°-30°	165.2	2.2
30°-40°	389.0	5.1
40°-50°	733.3	9.6
50°-60°	1307.8	17.0
60°-70°	2067.6	26.9
70°-80°	1821.7	23.7
80°-90°	814.2	10.6
90°-100°	202.2	2.6
100°-110°	55.7	0.7
110°-120°	22.4	0.3
120°-130°	11.8	0.2
130°-140°	6.9	0.1
140°-150°	2.9	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7370.2	96.1
0°-180°	7673.0	100.0



REPORT NUMBER: P416632

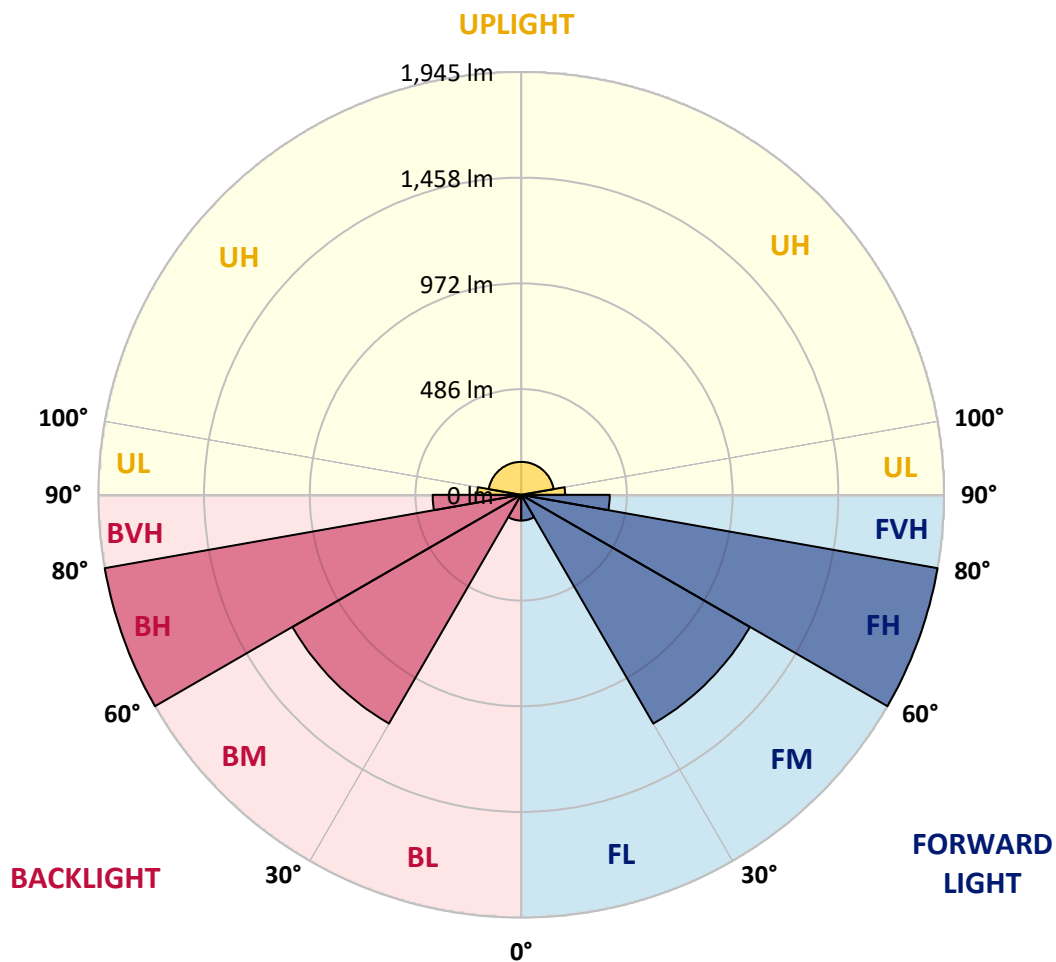
CATALOG NUMBER: LXF.LXT-PA1-80-727-U-5WQ-A

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	118.2	1.5			
FM (30°-60°)	1215.1	15.8			
FH (60°-80°)	1944.7	25.3			G2/5000
FVH (80°-90°)	407.1	5.3			G3/500
BL (0°-30°)	118.2	1.5	B1/500		
BM (30°-60°)	1215.1	15.8	B2/2500		
BH (60°-80°)	1944.7	25.3	B3/2500		G2/5000
BVH (80°-90°)	407.1	5.3			G3/500
UL (90°-100°)	202.2	2.6		U3/500	
UH (100°-180°)	151.4	2.0		U3/500	

**BUG Rating: B3-U3-G3**

Type V Short





REPORT NUMBER: P416632

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-5WQ-A

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0	138.0
2.5°	138.0	138.0	138.8	138.8	139.7	140.5	139.7	138.8	138.0	137.2	137.2
5°	142.2	142.2	142.2	142.2	143.0	143.0	142.2	140.5	139.7	138.8	138.8
7.5°	148.9	148.9	148.9	148.9	148.9	148.0	146.4	144.7	143.8	143.0	143.0
10°	159.7	159.7	158.1	158.1	157.2	156.4	154.7	153.0	151.4	152.2	152.2
12.5°	178.1	179.0	176.5	172.3	168.9	167.3	166.4	166.4	168.9	168.9	169.8
15°	204.9	204.9	200.7	194.9	188.2	183.2	184.8	189.0	193.2	195.7	195.7
17.5°	234.2	234.2	230.0	222.5	213.3	210.8	209.9	214.1	223.3	226.6	227.5
20°	271.0	271.0	263.4	252.6	244.2	240.9	240.9	247.6	257.6	265.1	264.3
22.5°	321.1	320.3	309.4	291.0	280.2	275.2	274.3	283.5	301.1	312.8	316.1
25°	381.4	380.5	366.3	342.1	325.3	312.0	315.3	331.2	357.9	376.3	376.3
27.5°	449.9	446.6	428.2	401.4	376.3	358.8	363.8	386.4	419.8	444.9	445.8
30°	516.9	516.9	496.8	465.0	431.5	409.8	415.7	447.4	487.6	526.9	527.7
32.5°	587.9	587.1	562.0	530.2	489.3	465.0	474.2	513.5	570.4	615.5	623.9
35°	679.1	679.9	644.8	601.3	549.5	522.7	535.2	586.3	654.0	708.4	713.4
37.5°	776.9	782.0	743.5	687.5	618.0	585.4	603.8	663.2	741.8	798.7	798.7
40°	882.3	884.8	849.7	778.6	695.0	652.3	676.6	740.2	800.4	848.9	851.4
42.5°	971.8	974.3	946.7	877.3	783.6	732.6	746.8	795.3	852.2	906.6	911.6
45°	1042.1	1050.4	1033.7	974.3	879.0	817.1	815.4	864.8	933.3	990.2	996.9
47.5°	1169.2	1173.4	1144.1	1073.8	976.8	909.1	902.4	951.7	1041.2	1102.3	1106.5
50°	1281.3	1293.8	1282.9	1207.7	1092.2	1010.3	1011.1	1076.4	1173.4	1235.3	1241.1
52.5°	1407.5	1413.4	1410.0	1345.7	1233.6	1136.6	1147.4	1221.0	1325.6	1364.1	1370.7
55°	1523.0	1532.2	1543.9	1496.2	1385.0	1299.7	1309.7	1388.3	1458.6	1495.4	1498.7
57.5°	1706.1	1715.3	1714.5	1644.2	1548.9	1466.1	1482.8	1544.7	1636.7	1699.4	1710.3
60°	1905.2	1918.5	1939.4	1848.3	1705.3	1647.6	1668.5	1758.0	1862.5	1871.7	1883.4
62.5°	2038.1	2044.8	2084.1	2054.0	1887.6	1818.2	1873.4	1949.5	2003.8	2012.2	2008.9
65°	2212.1	2233.8	2261.4	2192.0	2058.2	1962.9	2026.4	2083.3	2181.1	2189.5	2187.8
67.5°	2267.3	2288.2	2349.2	2320.8	2153.5	2077.4	2110.1	2172.8	2248.0	2241.4	2238.0
70°	2271.5	2291.5	2343.4	2328.3	2175.3	2069.9	2103.4	2127.6	2197.0	2197.9	2188.7
72.5°	2044.0	2079.1	2167.8	2194.5	2060.7	1952.8	1955.3	1954.5	1959.5	1904.3	1882.6
75°	1722.0	1747.1	1834.1	1898.5	1829.9	1737.1	1735.4	1665.1	1650.1	1608.3	1593.2
77.5°	1379.1	1410.0	1493.7	1563.9	1539.7	1489.5	1463.6	1384.1	1362.4	1314.7	1320.6
80°	1072.2	1096.4	1179.2	1270.4	1277.1	1241.9	1213.5	1148.3	1105.6	1065.5	1047.9
82.5°	825.5	846.4	917.5	1016.1	1057.1	1052.9	1012.8	939.2	900.7	862.3	839.7
85°	570.4	588.8	659.0	778.6	852.2	878.1	833.0	740.2	671.6	617.2	604.7
87.5°	368.0	376.3	432.4	536.1	646.5	707.5	659.9	543.6	457.5	414.0	399.8
90°	230.0	242.5	282.7	347.1	455.0	532.7	484.2	366.3	304.4	260.1	250.9
92.5°	159.7	158.1	185.7	230.8	310.3	373.8	332.0	242.5	192.4	163.1	157.2
95°	105.4	109.6	124.6	153.0	209.9	249.2	219.1	161.4	126.3	105.4	102.9
97.5°	78.6	79.5	91.2	108.7	143.0	163.9	145.5	112.1	89.5	76.1	75.3
100°	61.9	62.7	71.1	81.1	100.4	113.7	102.0	84.5	69.4	59.4	59.4
102.5°	48.5	49.3	55.2	63.6	76.1	84.5	77.8	65.2	54.4	46.8	46.0
105°	38.5	38.5	43.5	50.2	59.4	65.2	61.1	51.0	41.8	36.8	36.8
107.5°	30.1	30.9	34.3	39.3	47.7	53.5	48.5	39.3	32.6	28.4	28.4
110°	24.3	24.3	26.8	31.8	38.5	43.5	39.3	31.8	25.9	23.4	23.4



REPORT NUMBER: P416632

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-5WQ-A

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	20.1	20.1	21.7	25.9	31.8	36.0	31.8	25.9	20.9	19.2	19.2
115°	16.7	16.7	18.4	20.9	26.8	29.3	26.8	20.9	17.6	15.9	15.9
117.5°	15.1	15.1	15.9	18.4	22.6	24.3	22.6	17.6	15.1	14.2	14.2
120°	13.4	13.4	14.2	15.9	19.2	20.9	19.2	15.9	13.4	12.5	12.5
122.5°	12.5	12.5	12.5	14.2	17.6	18.4	16.7	14.2	11.7	11.7	11.7
125°	11.7	11.7	11.7	12.5	15.1	15.9	15.1	12.5	10.9	10.9	10.9
127.5°	10.9	10.9	10.9	11.7	13.4	14.2	13.4	11.7	10.0	10.0	10.0
130°	10.9	10.9	10.0	10.9	11.7	12.5	11.7	10.9	10.0	9.2	10.0
132.5°	10.0	10.0	10.0	10.0	10.9	10.9	10.9	10.0	9.2	9.2	9.2
135°	9.2	9.2	8.4	8.4	9.2	10.0	9.2	8.4	8.4	8.4	8.4
137.5°	8.4	7.5	7.5	7.5	8.4	8.4	8.4	7.5	7.5	7.5	7.5
140°	6.7	6.7	6.7	6.7	6.7	7.5	6.7	5.9	5.9	6.7	6.7
142.5°	5.9	5.9	5.9	5.0	5.9	5.9	5.9	5.0	5.0	5.0	5.0
145°	5.0	5.0	5.0	4.2	5.0	5.0	5.0	4.2	4.2	4.2	4.2
147.5°	3.3	4.2	3.3	3.3	4.2	4.2	3.3	3.3	3.3	3.3	3.3
150°	2.5	2.5	2.5	2.5	3.3	3.3	2.5	2.5	2.5	2.5	2.5
152.5°	1.7	1.7	2.5	2.5	2.5	2.5	2.5	2.5	1.7	1.7	1.7
155°	1.7	1.7	1.7	1.7	2.5	2.5	1.7	1.7	1.7	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	1.7	2.5	1.7	0.8	0.8	0.8	0.8
160°	0.0	0.0	0.0	0.8	1.7	2.5	1.7	0.8	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)