

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: P694585

Luminaire Tested: **LXF.LXT-PA16-20-740-U-5WQ**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P694585  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-1)  
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-5WQ  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 420mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3102.1 lumens  
Efficiency: N/A  
Efficacy: 142.3 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G1

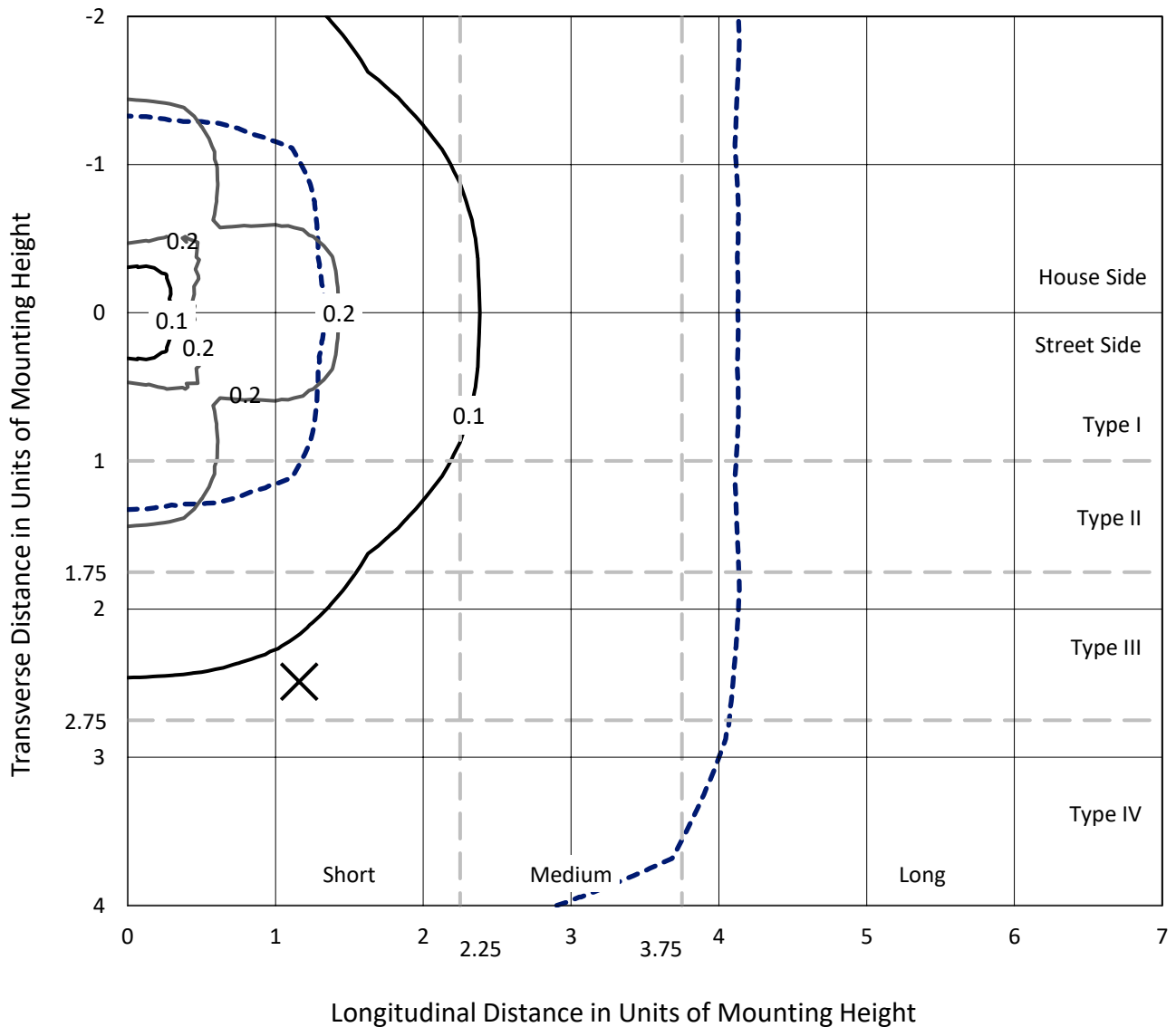
Input Watts (W): 21.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P694585  
 CATALOG NUMBER: LXF.LXT-PA16-20-740-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

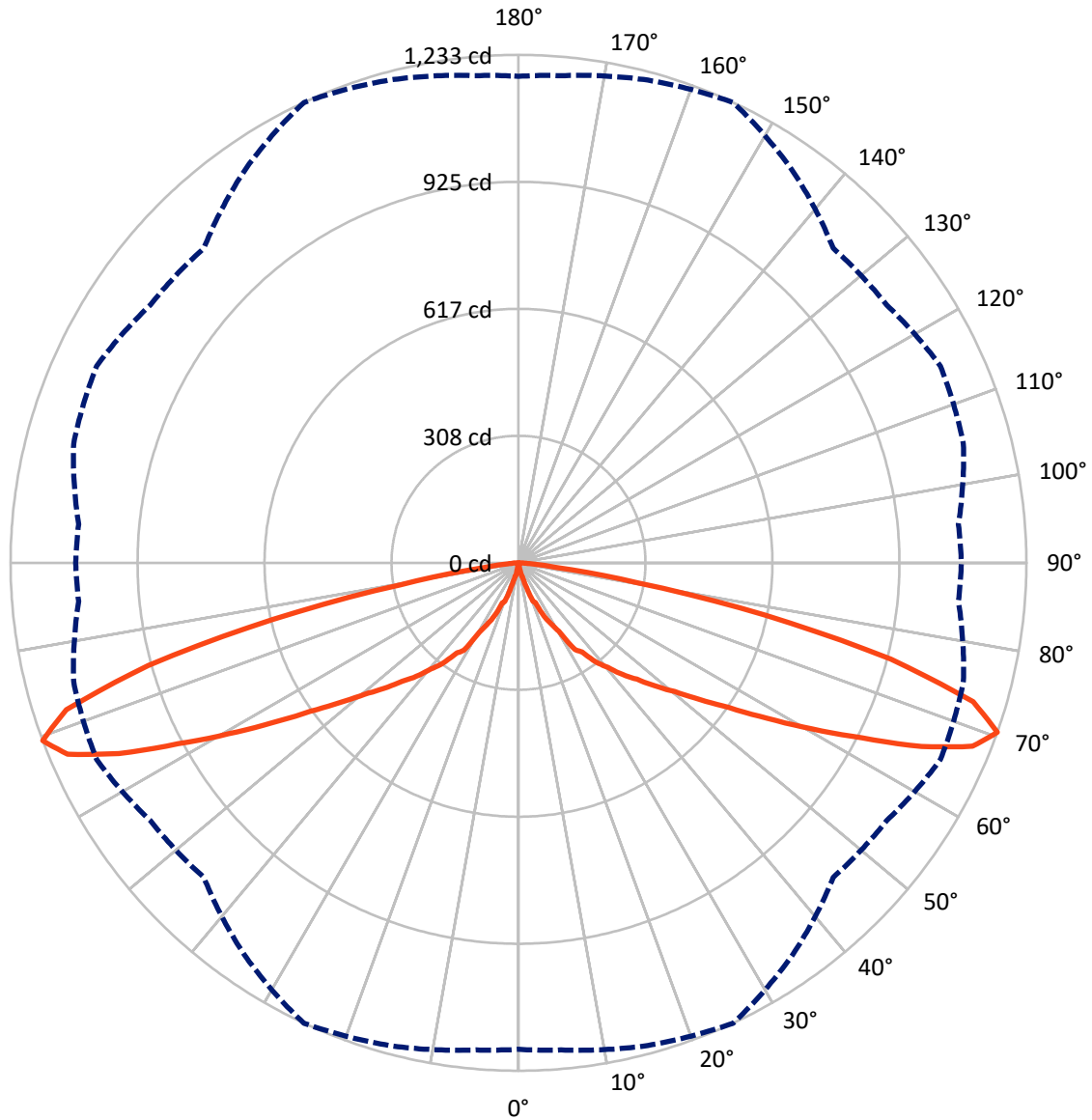
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc  
 Type V - Short - N/A

REPORT NUMBER: P694585  
CATALOG NUMBER: LXF.LXT-PA16-20-740-U-5WQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 25-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P694585  
 CATALOG NUMBER: LXF.LXT-PA16-20-740-U-5WQ

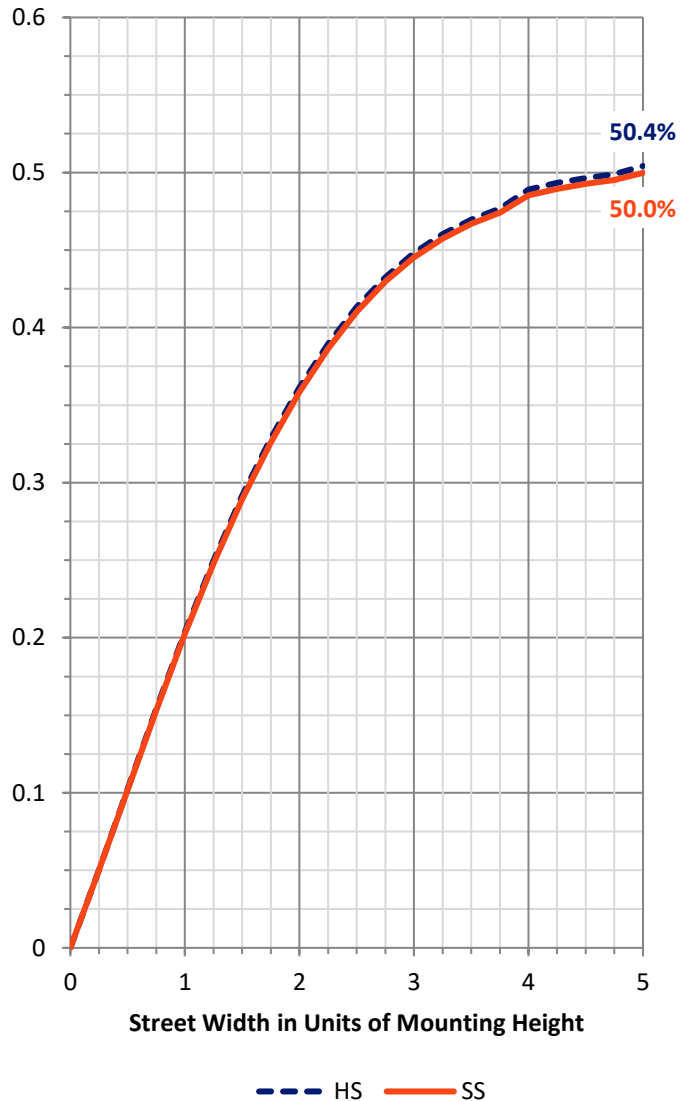
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1551.1	0.0	1551.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1551.1	0.0	1551.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3102.1	0.0	3102.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.0	0.0
10°-20°	13.5	0.4
20°-30°	72.1	2.3
30°-40°	178.2	5.7
40°-50°	318.5	10.3
50°-60°	567.5	18.3
60°-70°	1000.1	32.2
70°-80°	869.5	28.0
80°-90°	82.6	2.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3102.1	100.0
0°-180°	3102.1	100.0

**Coefficient of Utilization**



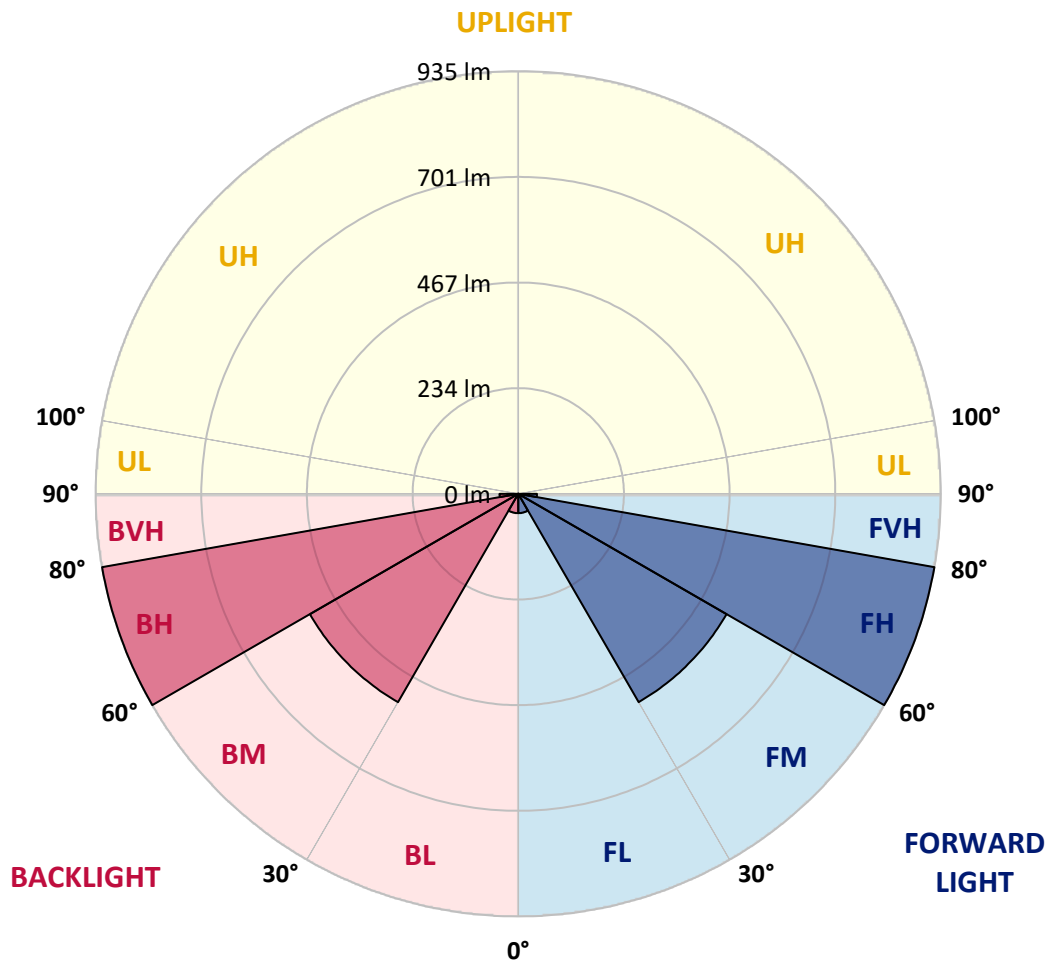
REPORT NUMBER: P694585  
 CATALOG NUMBER: LXF.LXT-PA16-20-740-U-5WQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	42.8	1.4			
FM (30°-60°)	532.1	17.2			
FH (60°-80°)	934.8	30.1			G1/1800
FVH (80°-90°)	41.3	1.3			G1/100
BL (0°-30°)	42.8	1.4	B0/110		
BM (30°-60°)	532.1	17.2	B1/1000		
BH (60°-80°)	934.8	30.1	B2/1000		G1/1800
BVH (80°-90°)	41.3	1.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type V Short



REPORT NUMBER: P694585  
 CATALOG NUMBER: LXF.LXT-PA16-20-740-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	0	0	0	0	0	0	0	0	0	0	0
2.5°	0	0	0	0	0	0	0	0	0	0	0
5°	0	0	0	0	0	0	0	0	0	0	0
7.5°	0	0	0	0	0	0	0	0	0	0	0
10°	8	8	6	3	1	0	0	0	0	0	0
12.5°	34	34	33	31	16	2	1	2	9	12	13
15°	42	40	38	35	33	23	12	55	65	67	67
17.5°	99	98	92	62	37	38	73	67	69	71	71
20°	106	106	103	100	69	78	84	72	89	125	125
22.5°	143	140	115	105	120	104	92	128	141	144	145
25°	180	180	175	143	131	125	136	152	151	160	163
27.5°	195	194	184	168	172	160	165	172	213	222	223
30°	264	264	258	193	184	183	190	213	226	233	236
32.5°	277	276	271	251	209	204	222	225	298	313	314
35°	327	328	315	266	259	233	237	287	316	328	329
37.5°	352	351	345	306	273	254	275	306	336	352	353
40°	380	380	372	334	305	273	298	332	368	380	381
42.5°	409	411	403	371	332	295	325	363	405	411	413
45°	455	452	443	403	361	322	354	402	446	454	456
47.5°	502	499	488	447	400	356	392	450	494	500	505
50°	549	545	542	491	447	401	437	500	542	548	549
52.5°	601	600	599	551	506	453	493	555	600	601	602
55°	666	665	667	620	584	528	564	626	667	662	662
57.5°	741	738	743	712	680	612	650	703	740	730	731
60°	830	833	843	818	782	715	757	789	828	815	815
62.5°	947	945	956	936	890	830	872	891	936	922	922
65°	1068	1074	1080	1075	1007	934	980	1021	1040	1019	1018
67.5°	1173	1169	1190	1189	1104	1018	1059	1111	1119	1086	1087
70°	1181	1187	1213	1233	1161	1080	1091	1130	1118	1072	1075
72.5°	1071	1078	1103	1154	1138	1106	1062	1046	1009	973	978
75°	787	793	851	933	994	1023	945	881	840	804	812
77.5°	426	438	508	612	745	807	740	633	522	472	457
80°	163	159	203	292	423	513	454	317	200	148	152
82.5°	42	46	65	89	173	268	202	99	63	51	43
85°	13	13	21	26	50	79	41	27	22	13	11
87.5°	3	4	6	7	8	5	5	3	1	1	0
90°	0	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)