

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: P253770

Luminaire Tested: **LXF.LXT-AF24-20-D-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P253770  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-9-90°)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-20-D-U-5WQ  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS  
PHOTOMETRIC DATA REPORTED FOR LOWER HEMISPHERE ONLY. MINIMAL LIGHT IN  
UPPER HEMISPHERE NOT REPORTED TO PROVIDE RELEVANT COMPARISON TO  
COMPETITIVE OFFERINGS.  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

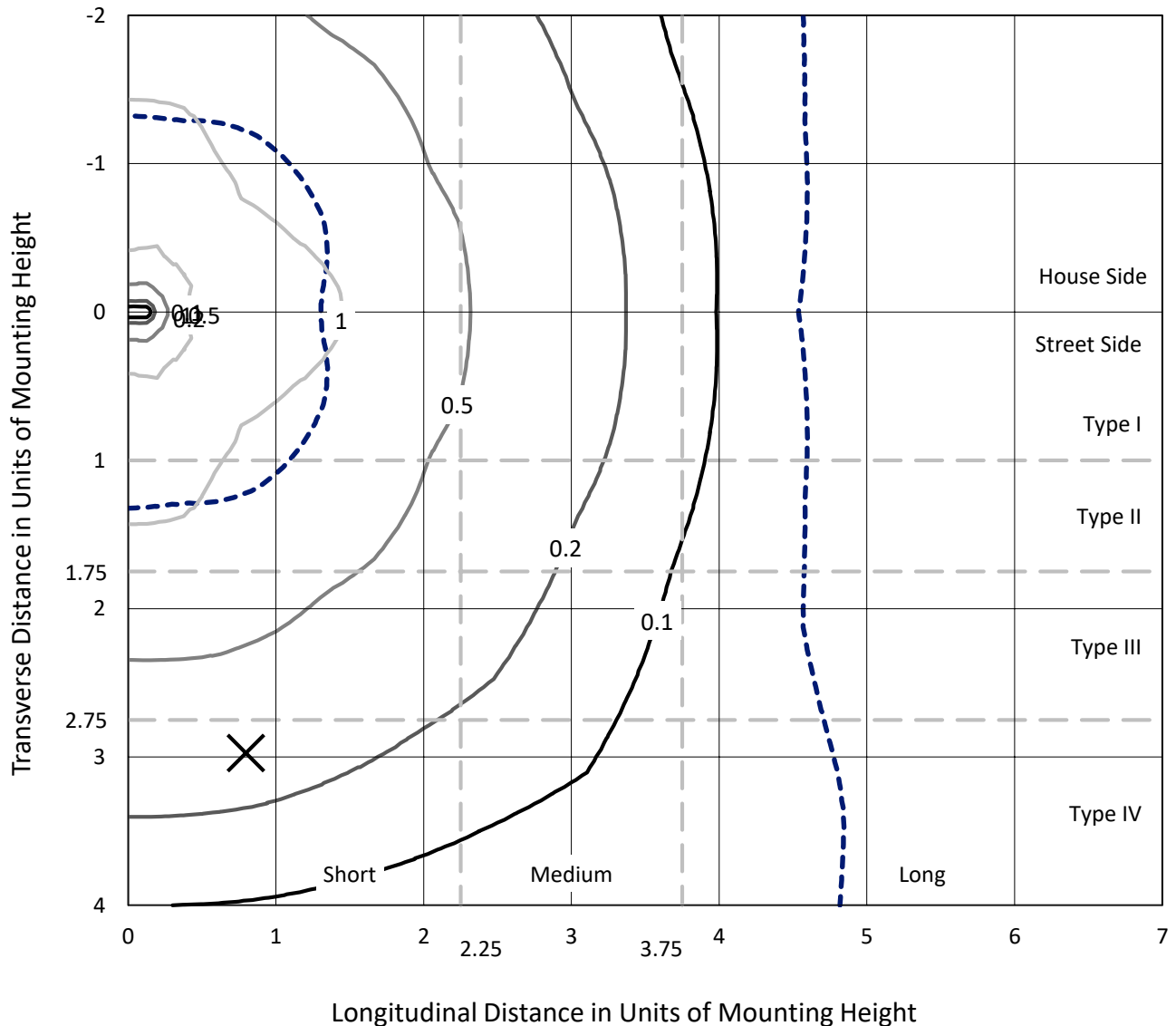
Lumens per Lamp: N/A  
Luminaire Lumens: 2608.5 lumens  
Efficiency: N/A  
Efficacy: 124.2 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type V - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G1  
  
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (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: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

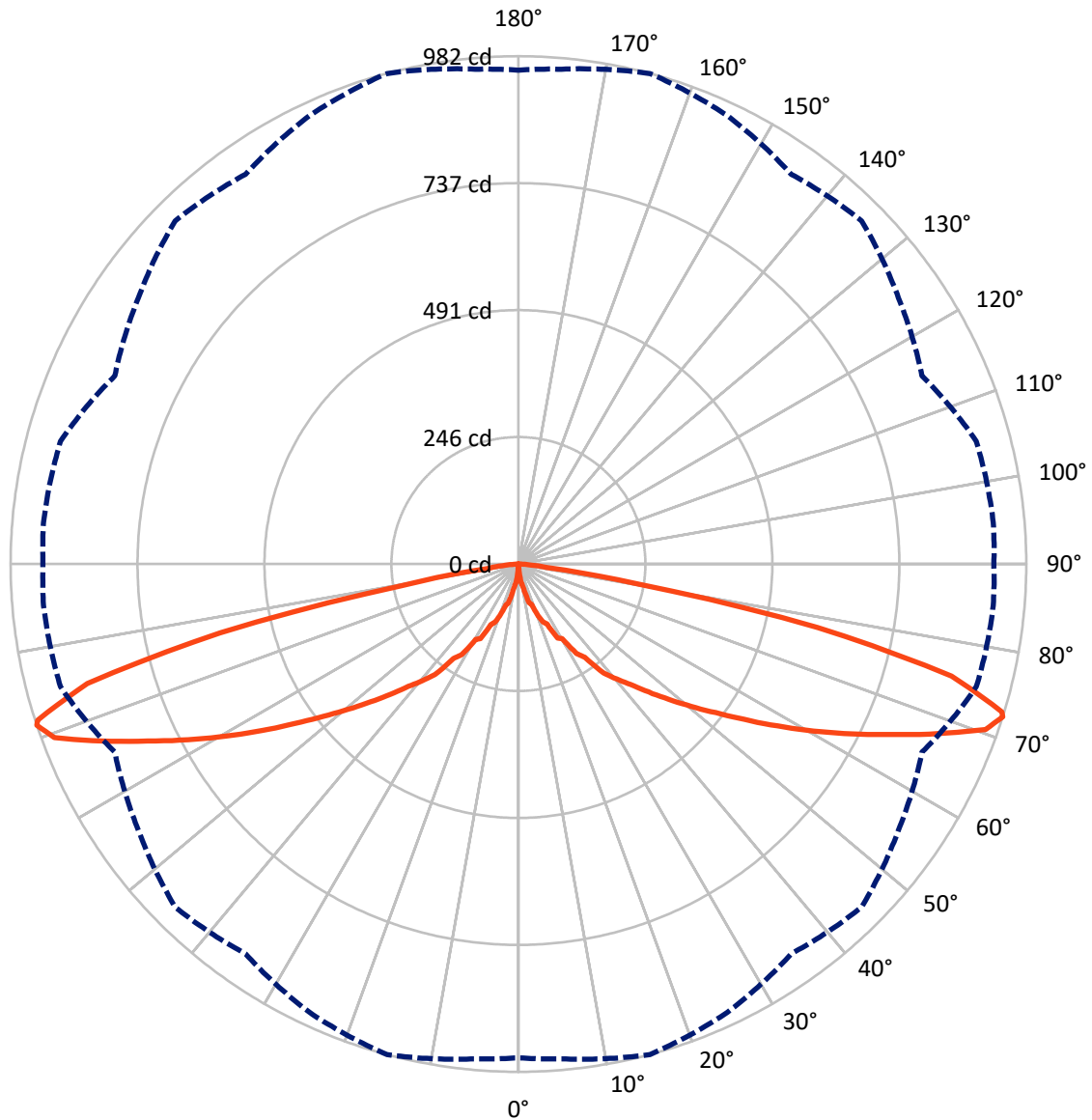


Based on 10 foot mounting height. Maximum calculated value = 1.5 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical

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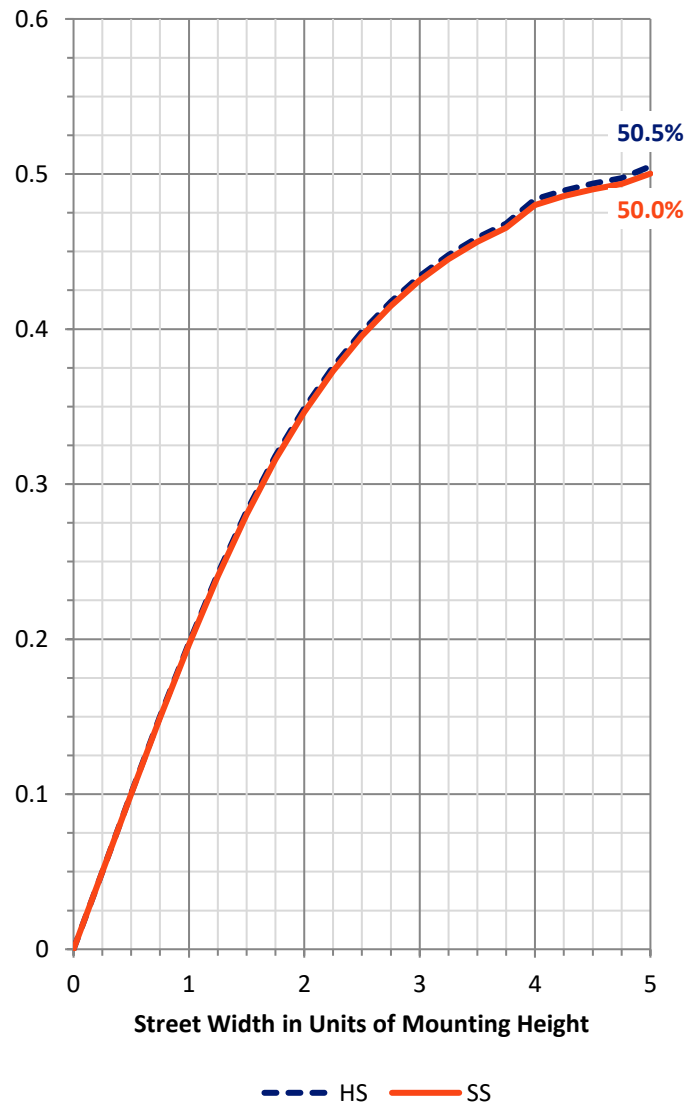
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1304.3	0.0	1304.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1304.3	0.0	1304.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	2608.5	0.0	2608.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.2	0.0
10°-20°	17.7	0.7
20°-30°	64.7	2.5
30°-40°	142.9	5.5
40°-50°	256.1	9.8
50°-60°	452.8	17.4
60°-70°	761.7	29.2
70°-80°	815.5	31.3
80°-90°	95.8	3.7
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°	2608.5	100.0
0°-180°	2608.5	100.0



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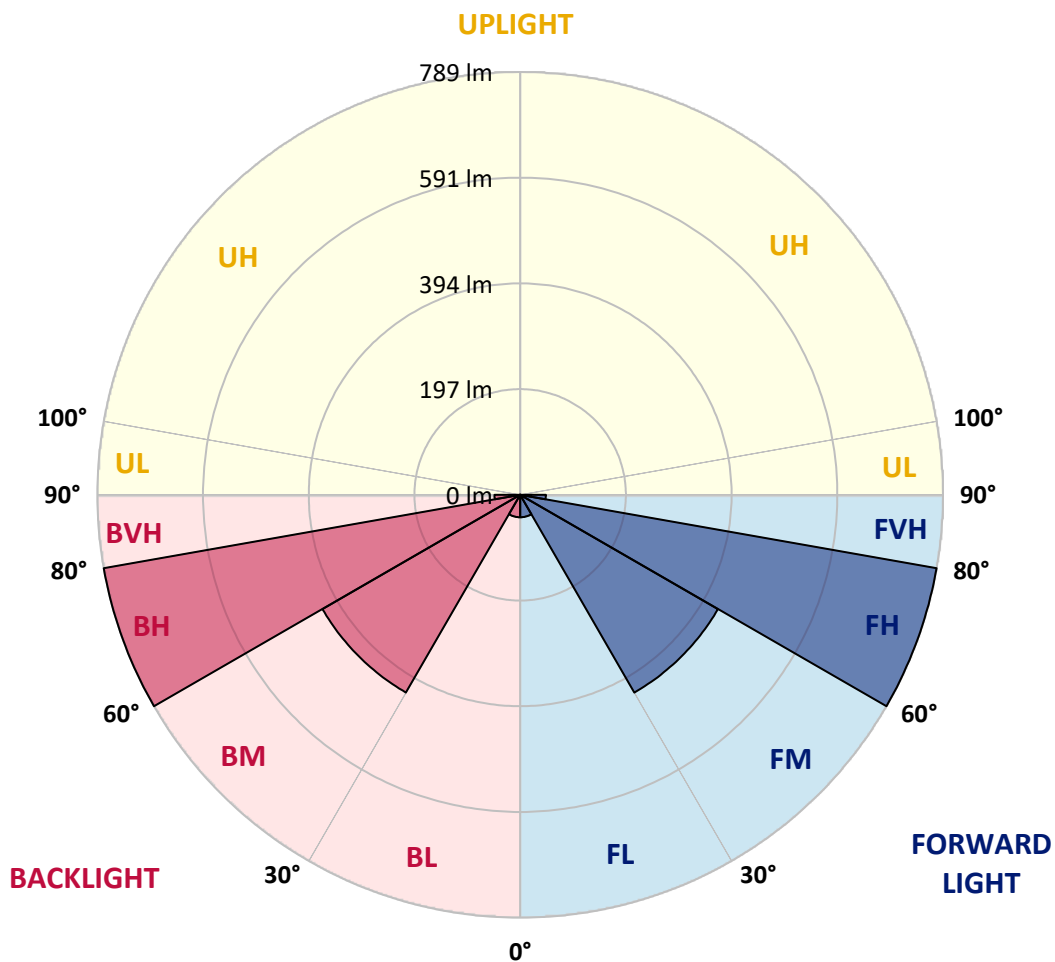
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	41.8	1.6			
FM (30°-60°)	425.9	16.3			
FH (60°-80°)	788.6	30.2			G1/1800
FVH (80°-90°)	47.9	1.8			G1/100
BL (0°-30°)	41.8	1.6	B0/110		
BM (30°-60°)	425.9	16.3	B1/1000		
BH (60°-80°)	788.6	30.2	B2/1000		G1/1800
BVH (80°-90°)	47.9	1.8			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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2.5°	0.8	0.8	0.8	0.8	0.6	0.6	0.3	0.3	0.6	0.6	0.6
5°	16.4	16.1	12.2	5.6	4.5	1.9	0.8	0.6	0.6	0.6	0.6
7.5°	37.5	36.7	35.9	30.5	23.4	16.7	4.8	1.1	0.8	0.6	0.6
10°	40.9	40.9	40.4	39.5	38.4	34.7	19.4	4.5	1.9	1.7	1.7
12.5°	59.5	59.3	56.5	44.1	40.1	39.3	32.7	17.5	11.6	23.7	28.2
15°	81.3	80.7	78.2	70.6	57.6	42.7	51.4	63.2	54.7	58.4	58.7
17.5°	86.1	85.2	82.1	79.4	74.6	71.7	80.2	77.0	61.0	61.8	62.1
20°	111.0	112.6	103.6	89.5	82.1	107.3	88.4	84.7	100.2	111.2	114.7
22.5°	125.1	124.5	121.7	114.9	119.7	111.2	107.8	121.4	121.7	123.4	124.0
25°	145.4	144.8	128.5	122.2	140.6	121.7	142.0	129.3	132.7	142.6	151.1
27.5°	166.3	165.4	162.0	145.4	145.2	160.1	148.2	159.8	177.0	183.2	186.6
30°	185.8	181.6	167.5	172.0	160.1	168.6	171.0	179.8	184.0	194.3	196.2
32.5°	214.6	213.7	206.3	185.2	189.1	178.7	190.6	189.8	233.2	252.2	258.3
35°	245.1	236.6	221.4	213.7	202.1	210.9	198.5	229.6	243.7	266.5	270.2
37.5°	285.1	284.6	267.9	233.4	223.3	221.7	233.4	240.8	259.4	282.6	285.7
40°	306.6	306.6	292.5	265.4	243.4	241.4	248.2	258.3	278.3	303.2	305.8
42.5°	332.6	332.6	318.4	289.4	276.1	265.4	267.1	279.3	300.6	329.8	333.2
45°	363.0	363.0	353.2	315.1	303.2	291.3	297.3	309.1	334.3	363.0	367.3
47.5°	399.8	398.6	390.8	348.4	336.2	322.1	330.3	343.0	369.3	399.8	402.8
50°	439.1	438.1	432.5	388.5	370.7	360.8	368.5	378.6	408.6	440.4	443.9
52.5°	480.5	480.3	477.9	437.0	413.6	406.0	412.5	422.4	451.7	486.2	489.3
55°	530.5	531.9	530.5	496.0	467.8	464.1	467.0	473.4	502.3	535.3	537.3
57.5°	585.2	586.2	591.2	567.4	536.4	530.5	532.1	536.7	559.2	586.4	588.4
60°	643.7	646.0	655.8	638.6	612.6	613.2	608.1	596.3	620.5	639.8	639.4
62.5°	702.5	704.9	723.6	709.5	690.6	701.0	686.6	656.6	684.7	697.9	695.4
65°	766.8	773.0	795.0	789.6	761.7	784.3	762.0	721.9	760.1	760.9	760.9
67.5°	847.2	853.1	875.7	865.9	824.4	850.4	824.7	788.0	826.3	821.8	824.1
70°	935.1	941.0	958.5	925.5	880.0	902.0	873.8	836.8	892.1	900.1	898.0
72°	955.3	960.8	982.4	956.8	920.3	938.8	897.5	861.3	917.0	922.1	919.8
72.5°	949.2	954.0	978.2	956.8	926.9	946.9	900.9	861.9	913.0	916.7	913.6
75°	821.8	830.6	865.3	887.6	916.7	971.5	887.6	811.1	819.6	808.8	795.9
77.5°	529.7	520.9	592.0	682.9	786.5	903.7	778.7	640.9	577.0	523.8	500.3
80°	156.9	165.7	228.9	340.2	531.9	677.8	540.9	344.1	210.6	147.4	140.6
82.5°	31.3	39.0	57.0	89.5	227.5	370.4	225.9	101.9	68.8	53.4	49.4
85°	12.2	12.4	24.9	28.2	38.4	75.1	54.2	35.3	33.6	22.3	20.0
87.5°	1.7	2.3	4.0	4.8	4.5	2.6	5.3	3.7	1.9	1.9	1.4
90°	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)