

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: P266023

Luminaire Tested: **LXF.LXT-AF24-30-D-U-5WQ-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266023  
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-AF24-30-D-U-5WQ-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 375mA 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: 3108.3 lumens  
Efficiency: N/A  
Efficacy: 100.3 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): 31  
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

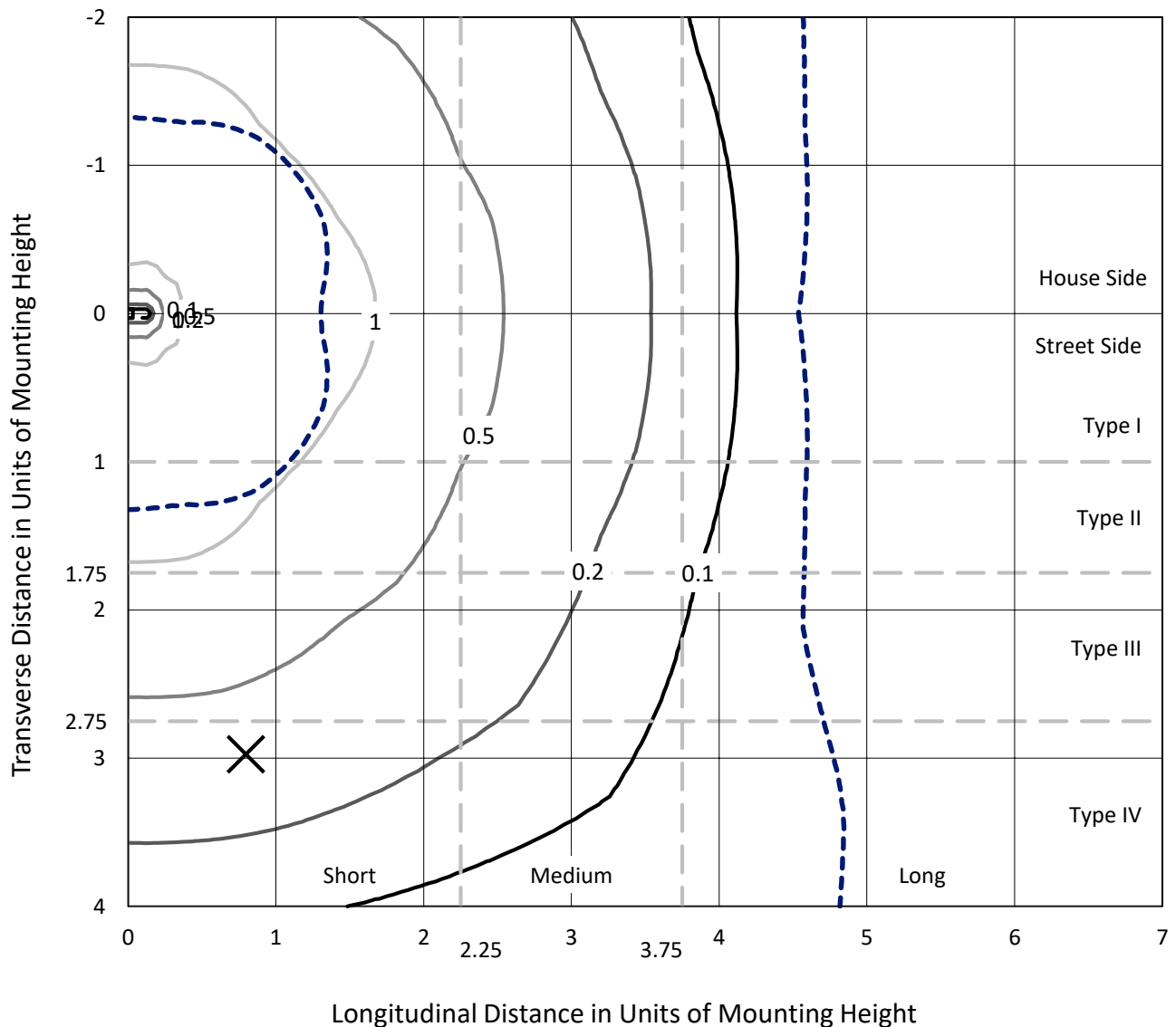


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

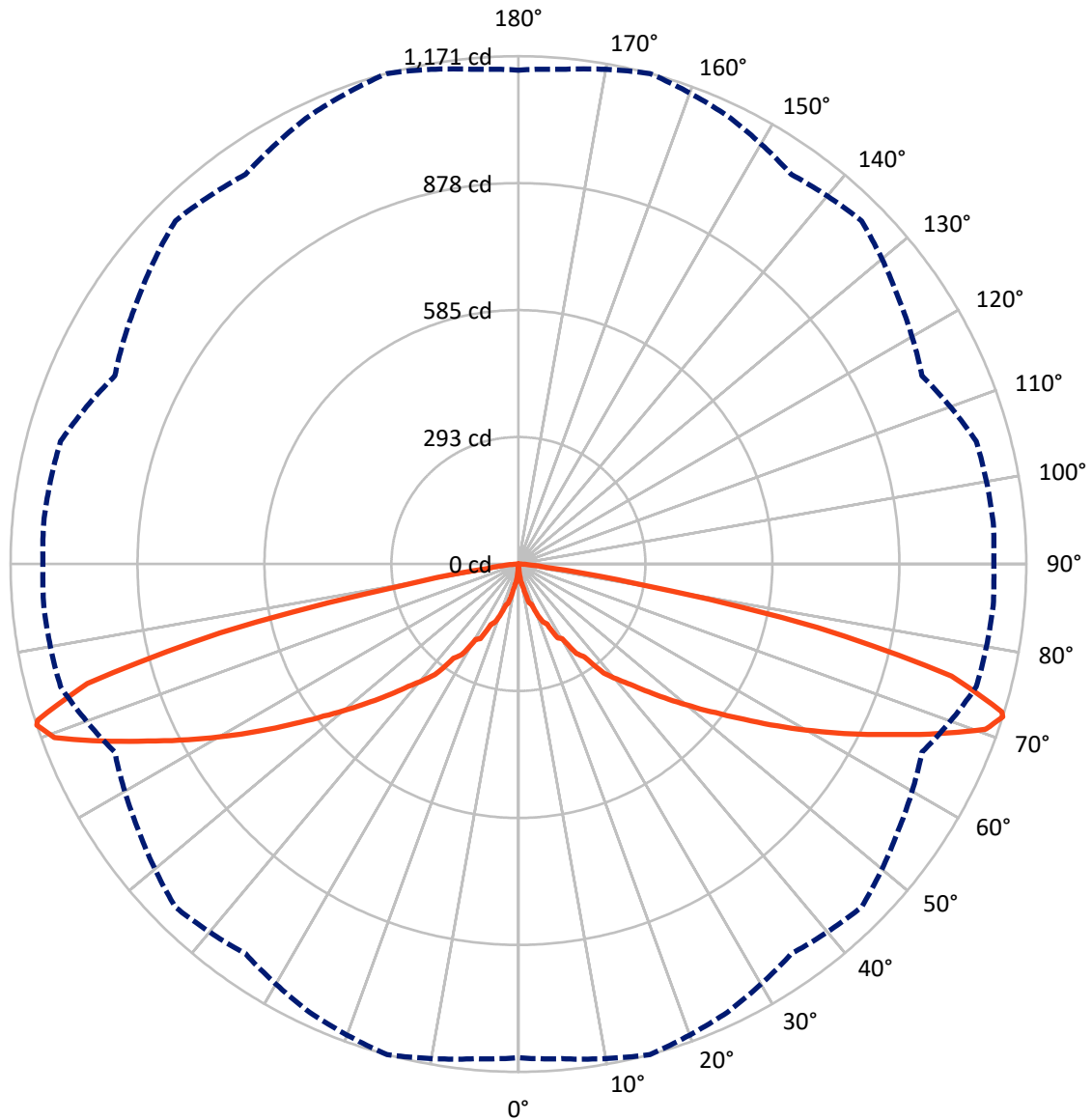


Based on 10 foot mounting height. Maximum calculated value = 1.8 fc  
 Type V - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



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



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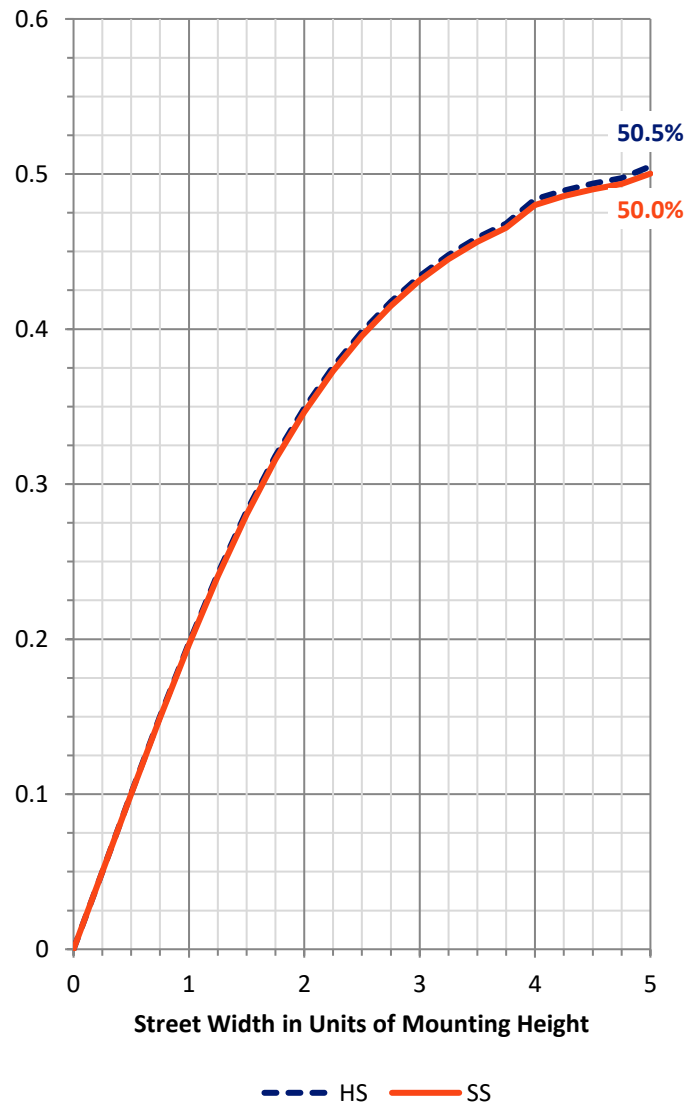
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1554.2	0.0	1554.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1554.2	0.0	1554.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3108.3	0.0	3108.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.5	0.0
10°-20°	21.1	0.7
20°-30°	77.1	2.5
30°-40°	170.3	5.5
40°-50°	305.2	9.8
50°-60°	539.6	17.4
60°-70°	907.6	29.2
70°-80°	971.8	31.3
80°-90°	114.2	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°	3108.3	100.0
0°-180°	3108.3	100.0

**Coefficient of Utilization**



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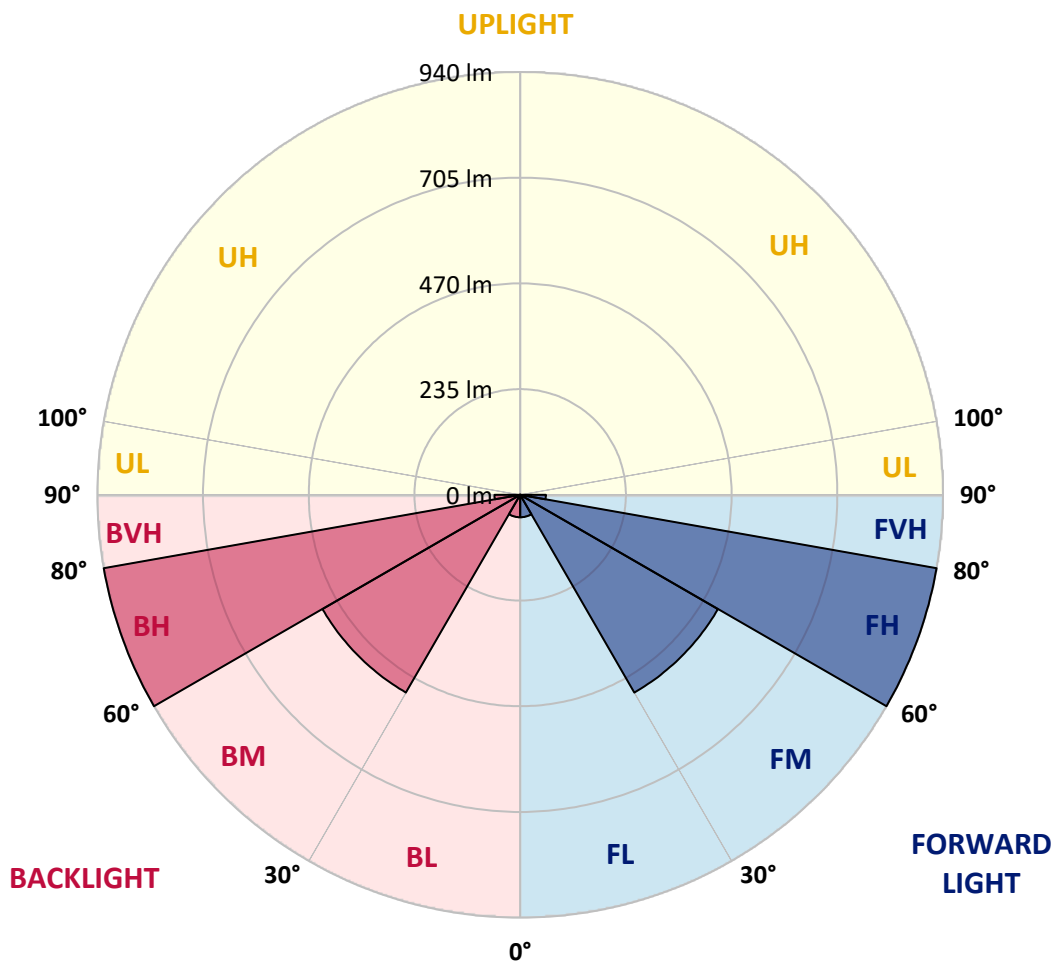
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	49.8	1.6			
FM (30°-60°)	507.5	16.3			
FH (60°-80°)	939.7	30.2			G1/1800
FVH (80°-90°)	57.1	1.8			G1/100
BL (0°-30°)	49.8	1.6	B0/110		
BM (30°-60°)	507.5	16.3	B1/1000		
BH (60°-80°)	939.7	30.2	B2/1000		G1/1800
BVH (80°-90°)	57.1	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°	1.0	1.0	1.0	1.0	0.7	0.7	0.3	0.3	0.7	0.7	0.7
5°	19.6	19.1	14.5	6.7	5.4	2.3	1.0	0.7	0.7	0.7	0.7
7.5°	44.7	43.7	42.7	36.3	27.8	19.9	5.7	1.3	1.0	0.7	0.7
10°	48.8	48.8	48.1	47.2	45.8	41.4	23.3	5.4	2.3	2.1	2.1
12.5°	71.0	70.6	67.4	52.6	47.8	46.7	39.0	20.9	13.8	28.2	33.6
15°	96.8	96.2	93.2	84.1	68.6	50.8	61.3	75.4	65.2	69.7	70.0
17.5°	102.5	101.6	97.8	94.5	88.8	85.5	95.5	91.8	72.7	73.8	74.0
20°	132.2	134.2	123.4	106.7	97.8	127.9	105.3	100.9	119.5	132.6	136.6
22.5°	148.9	148.4	144.9	136.9	142.7	132.6	128.5	144.6	144.9	147.1	147.7
25°	173.3	172.6	153.2	145.6	167.5	144.9	169.2	154.1	158.1	169.9	180.0
27.5°	198.2	197.2	193.0	173.3	173.0	190.7	176.6	190.4	210.9	218.4	222.4
30°	221.3	216.3	199.6	204.9	190.7	200.9	203.8	214.2	219.4	231.5	233.7
32.5°	255.7	254.7	246.0	220.8	225.5	213.0	227.1	226.1	277.8	300.5	307.8
35°	291.9	281.9	263.7	254.7	240.8	251.3	236.6	273.5	290.3	317.6	322.0
37.5°	339.7	339.1	319.3	278.3	266.1	264.1	278.3	287.0	309.1	336.8	340.5
40°	365.3	365.3	348.5	316.3	290.1	287.6	295.7	307.8	331.7	361.3	364.4
42.5°	396.3	396.3	379.4	344.8	329.0	316.3	318.3	332.7	358.2	393.0	397.1
45°	432.7	432.7	420.9	375.4	361.3	347.1	354.2	368.3	398.3	432.7	437.7
47.5°	476.5	475.1	465.6	415.1	400.6	383.8	393.5	408.8	440.0	476.5	480.1
50°	523.2	522.2	515.4	462.8	441.7	430.0	439.0	451.2	486.8	524.8	528.8
52.5°	572.6	572.2	569.5	520.7	492.9	483.7	491.6	503.3	538.3	579.2	583.0
55°	632.1	633.8	632.1	591.1	557.5	553.0	556.4	564.1	598.5	637.8	640.2
57.5°	697.4	698.4	704.5	676.2	639.2	632.1	634.2	639.6	666.5	698.7	701.0
60°	767.1	769.8	781.4	761.0	730.1	730.7	724.7	710.5	739.5	762.3	762.0
62.5°	837.0	840.0	862.3	845.5	822.8	835.3	818.1	782.6	815.8	831.7	828.5
65°	913.8	921.1	947.4	941.0	907.6	934.5	907.9	860.2	905.6	906.7	906.7
67.5°	1009.5	1016.6	1043.7	1031.9	982.3	1013.3	982.7	939.0	984.7	979.3	981.9
70°	1114.2	1121.3	1142.1	1102.8	1048.6	1074.8	1041.2	997.2	1063.1	1072.4	1070.2
72°	1138.4	1144.8	1170.8	1140.0	1096.7	1118.6	1069.5	1026.5	1092.7	1098.7	1096.0
72.5°	1131.1	1136.7	1165.7	1140.0	1104.5	1128.4	1073.6	1027.1	1087.9	1092.3	1088.7
75°	979.3	989.8	1031.2	1057.8	1092.3	1157.6	1057.8	966.5	976.6	963.8	948.4
77.5°	631.1	620.6	705.4	813.9	937.2	1076.9	927.9	763.6	687.7	624.1	596.1
80°	187.0	197.4	272.8	405.3	633.8	807.8	644.5	410.0	250.9	175.6	167.5
82.5°	37.3	46.4	67.9	106.7	271.2	441.3	269.1	121.5	82.0	63.6	58.8
85°	14.5	14.8	29.6	33.6	45.8	89.6	64.6	42.0	40.1	26.6	23.9
87.5°	2.1	2.6	4.8	5.7	5.4	3.1	6.4	4.4	2.3	2.3	1.6
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)