

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: P853368

Luminaire Tested: **CRTK-N-30-750-U-T5R-CNR**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853368  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK-N-30-750-U-T5R-CNR  
Description:  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

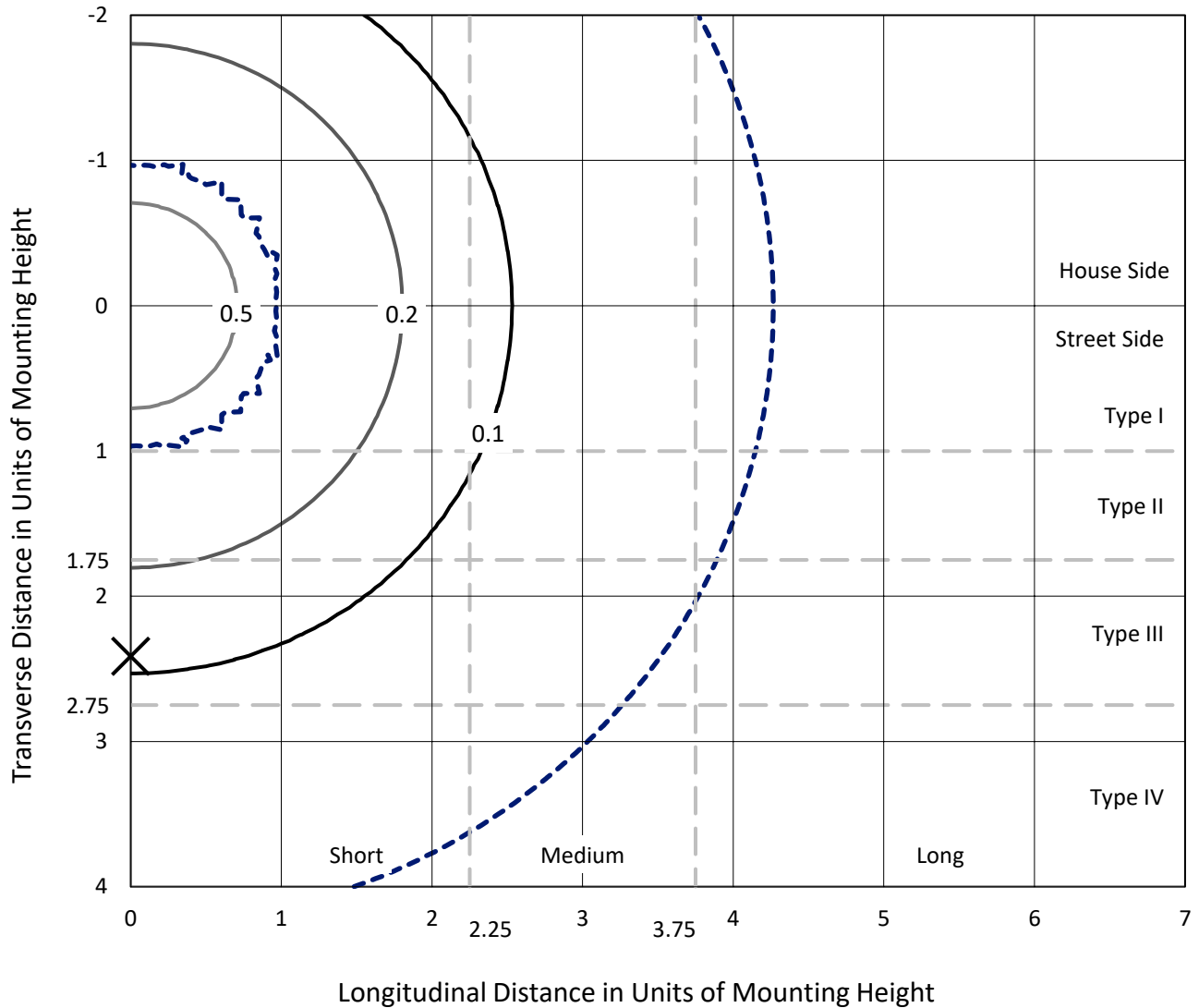
Lumens per Lamp: N/A  
Luminaire Lumens: 4617 lumens  
Efficiency: N/A  
Efficacy: 142.9 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.25')  
IES Classification: Type V - Short  
BUG Rating: B3 - U3 - G2  
  
Input Watts (W): 32.3  
Input Voltage (V): 120.0  
Input Current (Ain): 0.271  
Voltage Rise (V): NR  
Power Factor: 0.993  
Total Harmonic Distortion (THDi): 10.1%  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

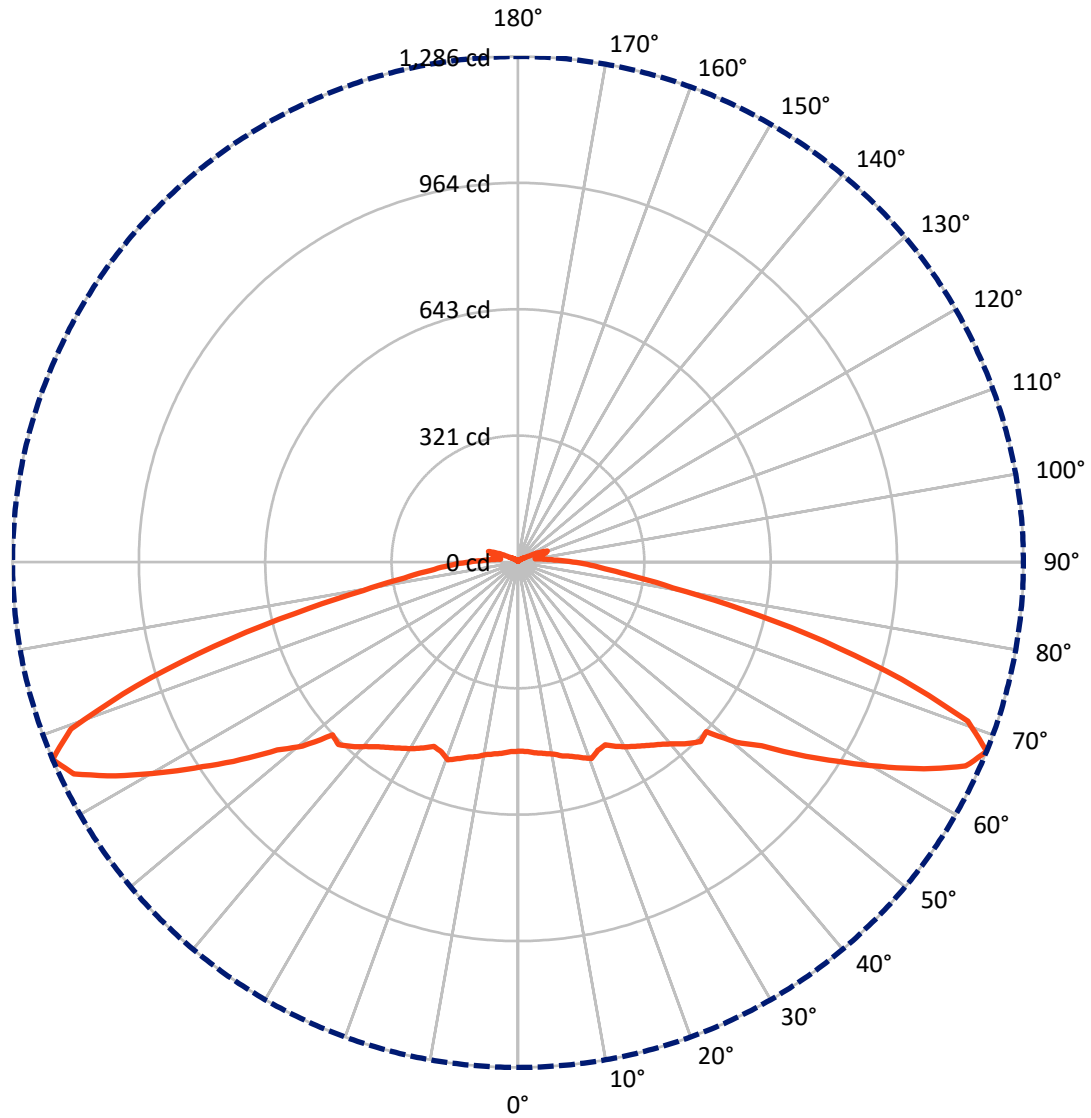
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 67.5-Deg Vertical

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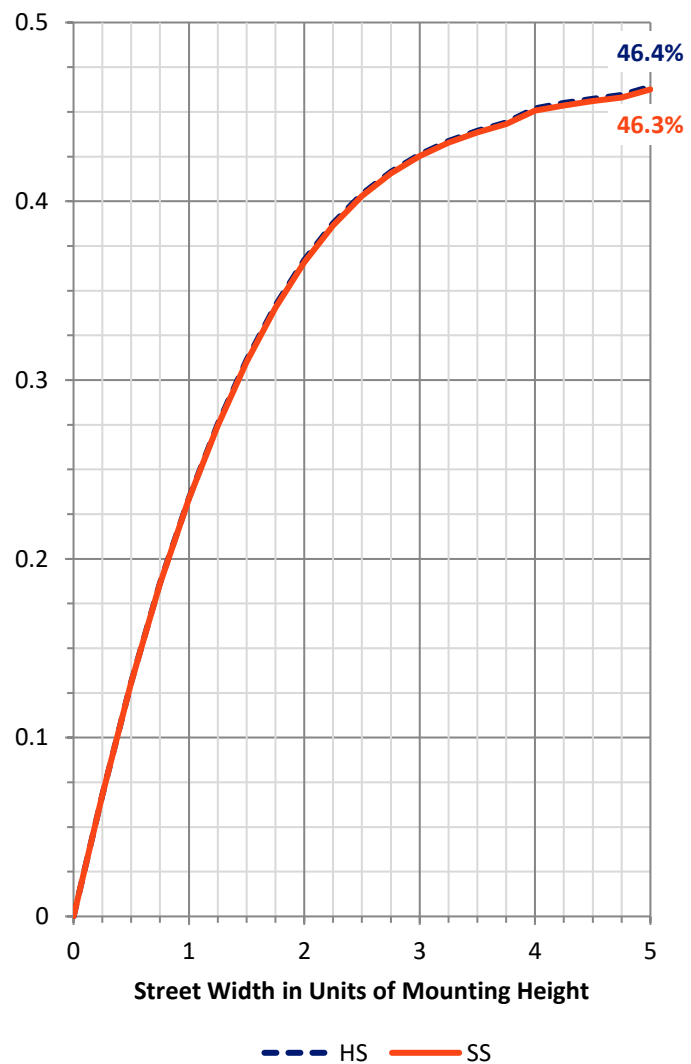
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2196.4	112.1	2308.5
	% Fixture	47.6	2.4	50.0
<b>Street Side</b>	Lumens	2196.4	112.1	2308.5
	% Fixture	47.6	2.4	50.0
<b>Total</b>	Lumens	4392.8	224.1	4617.0
	% Fixture	95.1	4.9	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.8	1.0
10°-20°	146.3	3.2
20°-30°	244.0	5.3
30°-40°	361.5	7.8
40°-50°	502.7	10.9
50°-60°	785.0	17.0
60°-70°	1200.1	26.0
70°-80°	846.0	18.3
80°-90°	260.4	5.6
90°-100°	83.9	1.8
100°-110°	62.6	1.4
110°-120°	49.5	1.1
120°-130°	15.5	0.3
130°-140°	7.2	0.2
140°-150°	3.3	0.1
150°-160°	1.6	0.0
160°-170°	0.5	0.0
170°-180°	0.0	0.0
0°-90°	4392.8	95.1
0°-180°	4617.0	100.0

**Coefficient of Utilization**



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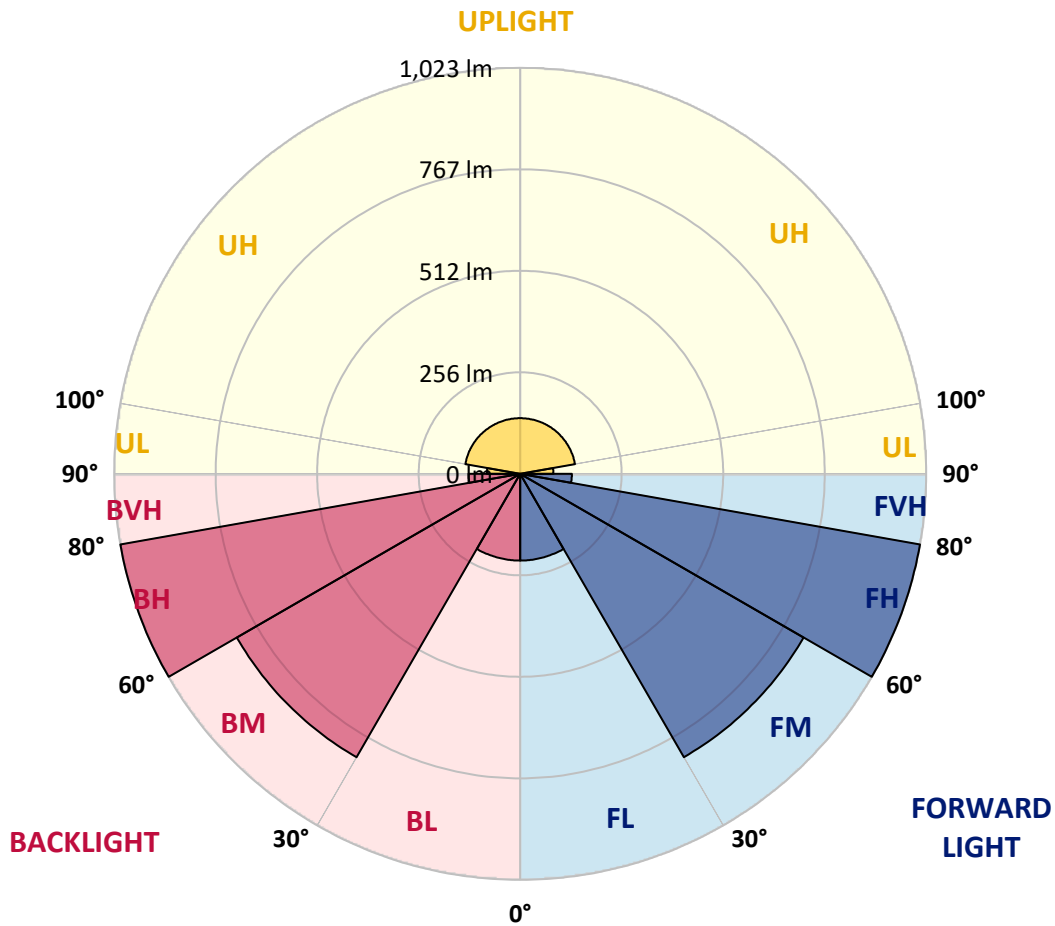
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	218.5	4.7			
FM (30°-60°)	824.6	17.9			
FH (60°-80°)	1023.0	22.2			G1/1800
FVH (80°-90°)	130.2	2.8			G2/225
BL (0°-30°)	218.5	4.7	B1/500		
BM (30°-60°)	824.6	17.9	B1/1000		
BH (60°-80°)	1023.0	22.2	B3/2500		G1/1800
BVH (80°-90°)	130.2	2.8			G2/225
UL (90°-100°)	83.9	1.8		U3/500	
UH (100°-180°)	140.2	3.0		U3/500	

**BUG Rating: B3-U3-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	481.3
2.5°	482.6
5°	487.9
7.5°	491.8
10°	497.0
12.5°	506.2
15°	512.7
17.5°	523.2
20°	533.6
22.5°	520.6
25°	515.3
27.5°	531.0
30°	545.4
32.5°	558.5
35°	572.9
37.5°	588.6
40°	608.2
42.5°	631.7
45°	651.4
47.5°	644.8
50°	720.7
52.5°	776.9
55°	865.9
57.5°	956.1
60°	1055.5
62.5°	1158.8
65°	1251.7
67.5°	1285.7
70°	1213.8
72.5°	1020.2
75°	801.8
77.5°	582.0
80°	400.2
82.5°	291.7
85°	222.3
87.5°	176.6
90°	130.8
92.5°	92.9
95°	71.9
97.5°	54.9
100°	44.5
102.5°	45.8
105°	56.2
107.5°	73.2
110°	79.8

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	64.1
115°	49.7
117.5°	32.7
120°	23.5
122.5°	19.6
125°	17.0
127.5°	14.4
130°	11.8
132.5°	10.5
135°	9.2
137.5°	7.8
140°	6.5
142.5°	5.2
145°	5.2
147.5°	5.2
150°	3.9
152.5°	3.9
155°	3.9
157.5°	2.6
160°	2.6
162.5°	2.6
165°	2.6
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)