

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: P691739

Luminaire Tested: **CRTK2-C018-D-U-T5R-7050-U0**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691739  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/13/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK2-C018-D-U-T5R-7050-U0  
Description: CARETAKER AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND UO SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

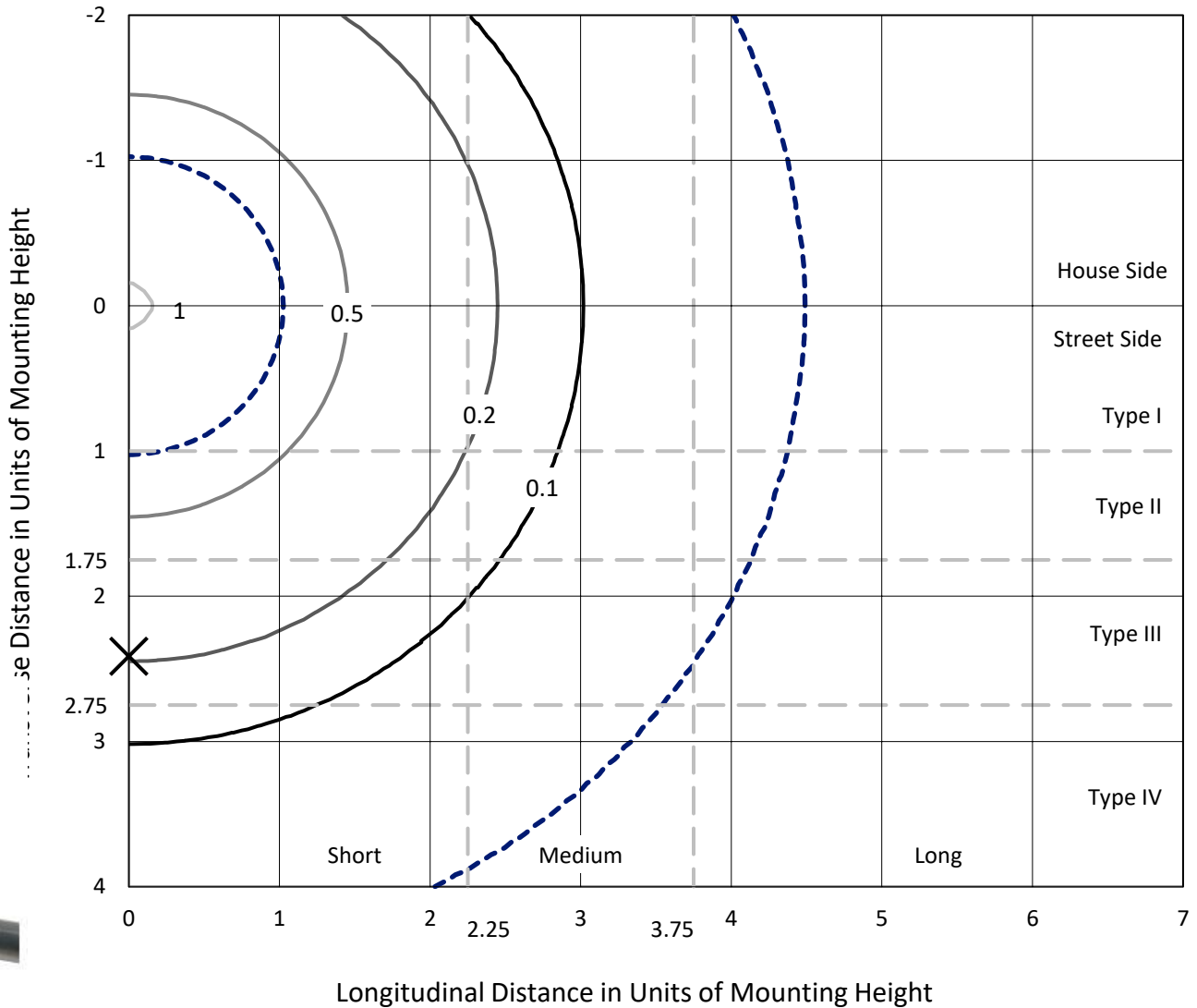
Lumens per Lamp: N/A  
Luminaire Lumens: 7317 lumens  
Efficiency: N/A  
Efficacy: 145.2 lumens/watt  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 50.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage 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



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### Iso-Footcandle Lines of Horizontal Illumination

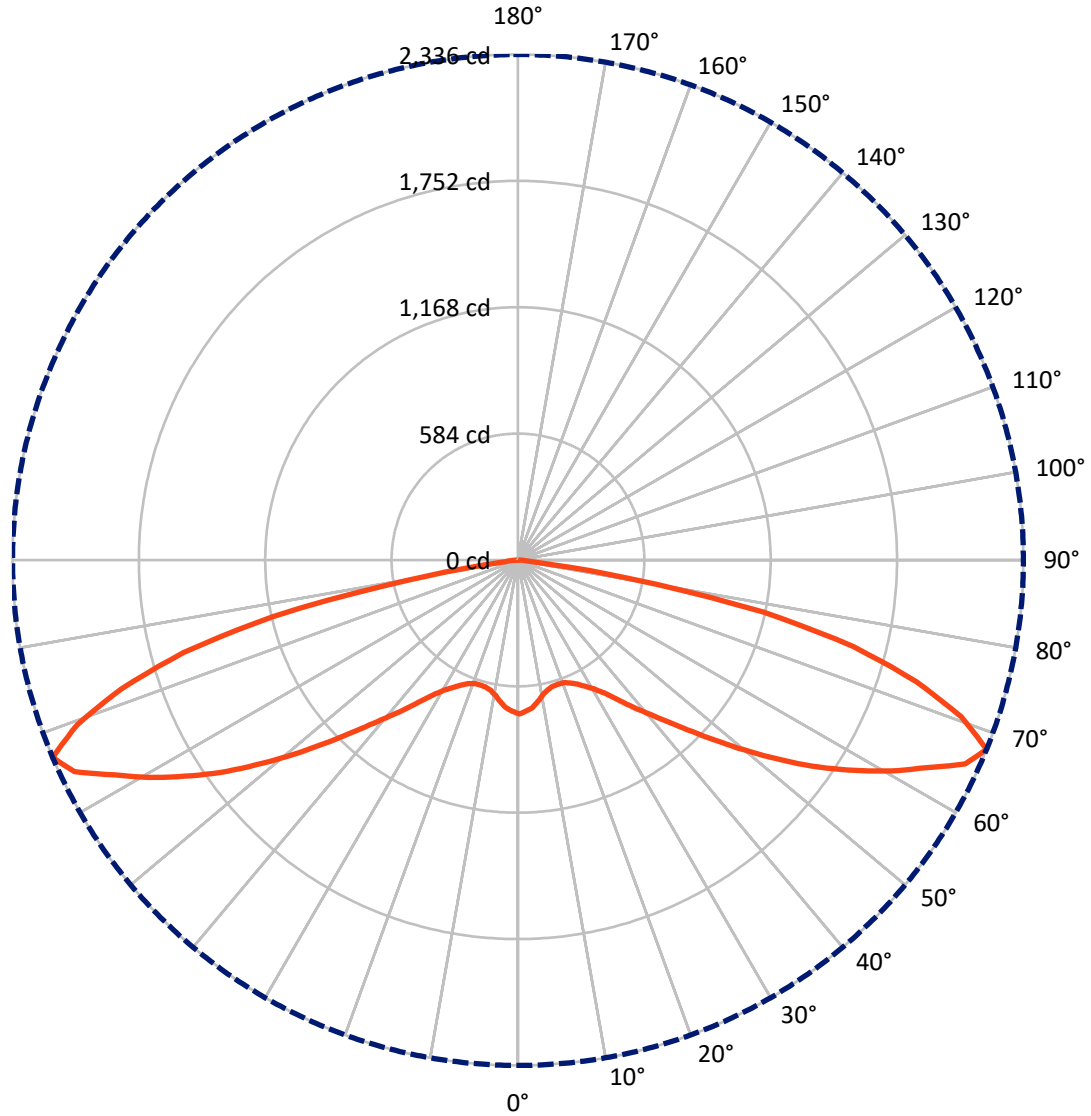
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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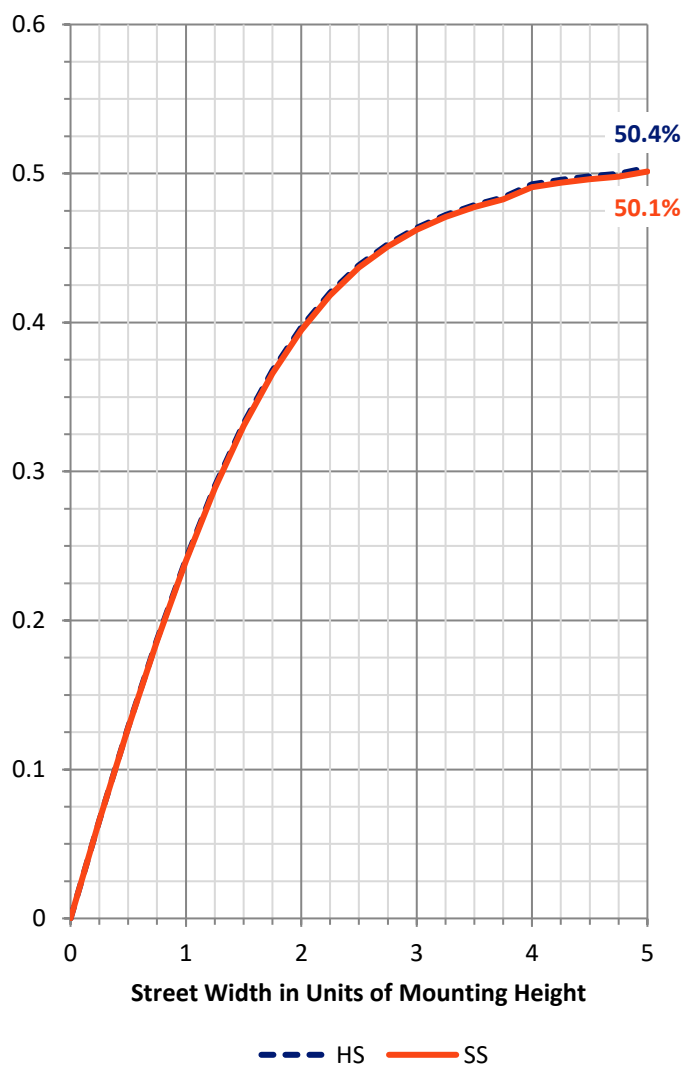
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3658.5	0.0	3658.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3658.5	0.0	3658.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7317.0	0.0	7317.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	63.7	0.9
10°-20°	172.7	2.4
20°-30°	297.5	4.1
30°-40°	505.3	6.9
40°-50°	891.5	12.2
50°-60°	1519.3	20.8
60°-70°	2185.2	29.9
70°-80°	1589.1	21.7
80°-90°	92.7	1.3
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°	7317.0	100.0
0°-180°	7317.0	100.0

**Coefficient of Utilization**



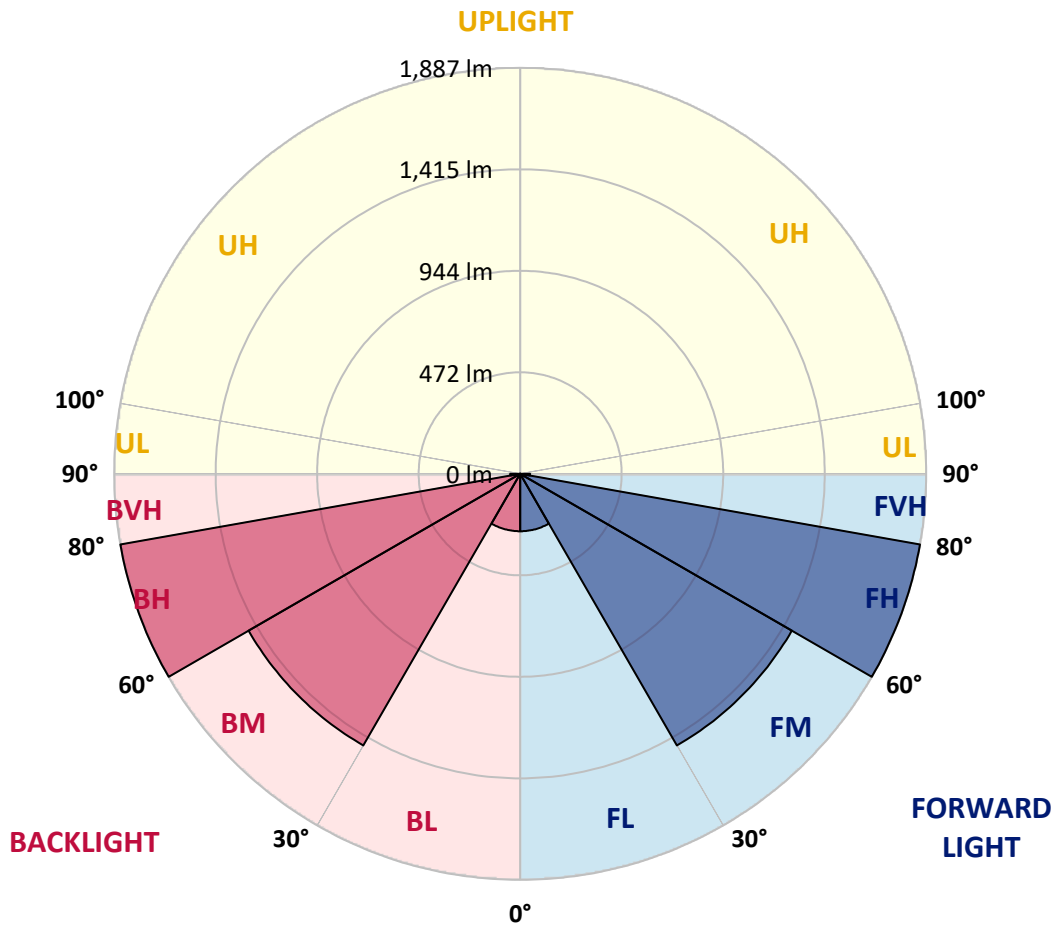
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	267.0	3.6			
FM (30°-60°)	1458.0	19.9			
FH (60°-80°)	1887.2	25.8			G2/5000
FVH (80°-90°)	46.4	0.6			G1/100
BL (0°-30°)	267.0	3.6	B1/500		
BM (30°-60°)	1458.0	19.9	B2/2500		
BH (60°-80°)	1887.2	25.8	B3/2500		G2/5000
BVH (80°-90°)	46.4	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	711.6
2.5°	700.1
5°	686.2
7.5°	660.8
10°	633.1
12.5°	614.6
15°	605.3
17.5°	603.0
20°	605.3
22.5°	616.9
25°	635.4
27.5°	660.8
30°	690.8
32.5°	732.4
35°	790.2
37.5°	861.8
40°	935.7
42.5°	1025.9
45°	1132.1
47.5°	1256.9
50°	1393.2
52.5°	1538.8
55°	1691.3
57.5°	1834.5
60°	1980.1
62.5°	2114.1
65°	2271.2
67.5°	2335.9
70°	2174.2
72.5°	1924.6
75°	1603.5
77.5°	1157.6
80°	517.5
82.5°	67.0
85°	13.9
87.5°	2.3
90°	0.0

(END OF REPORT)