

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: P691647

Luminaire Tested: **CRTK2-C018-5TLD-U-T5R-7050-U0**

Issue Date: 6/13/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P691647  
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-C018-5TLD-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: 8451 lumens  
Efficiency: N/A  
Efficacy: 157.4 lumens/watt  
Luminous Opening: Circular (Dia: 0.33' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

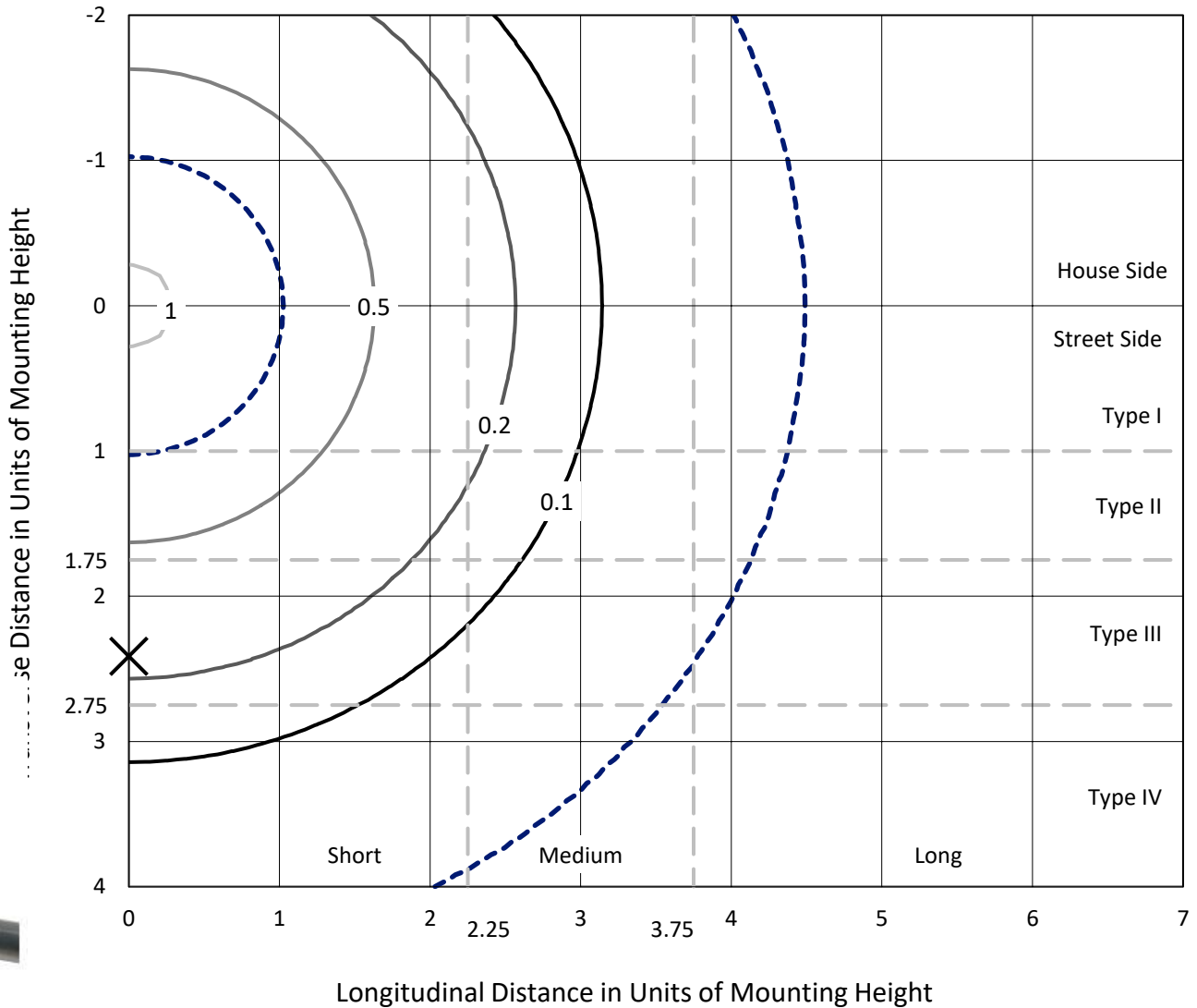
Input Watts (W): 53.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

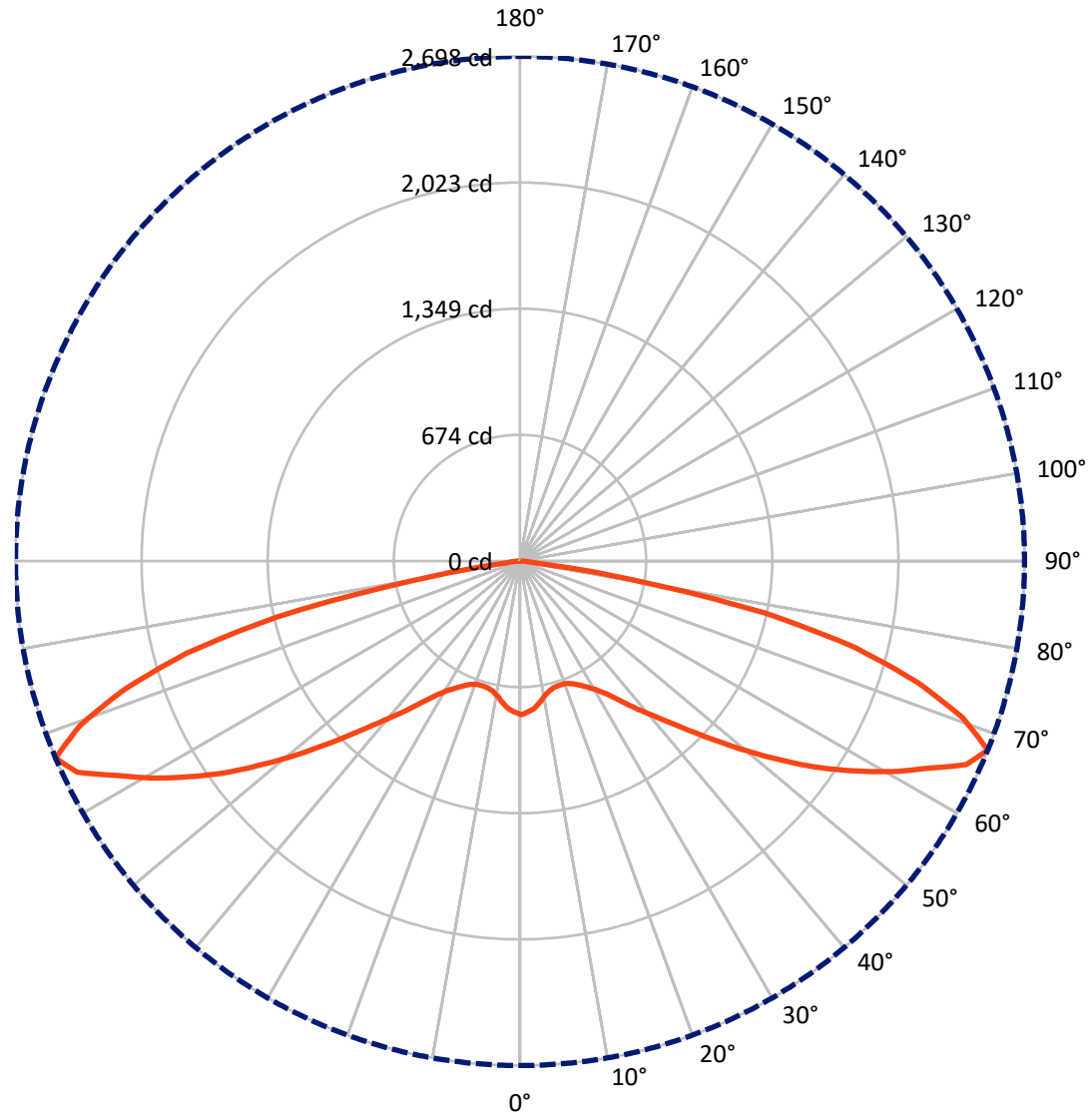
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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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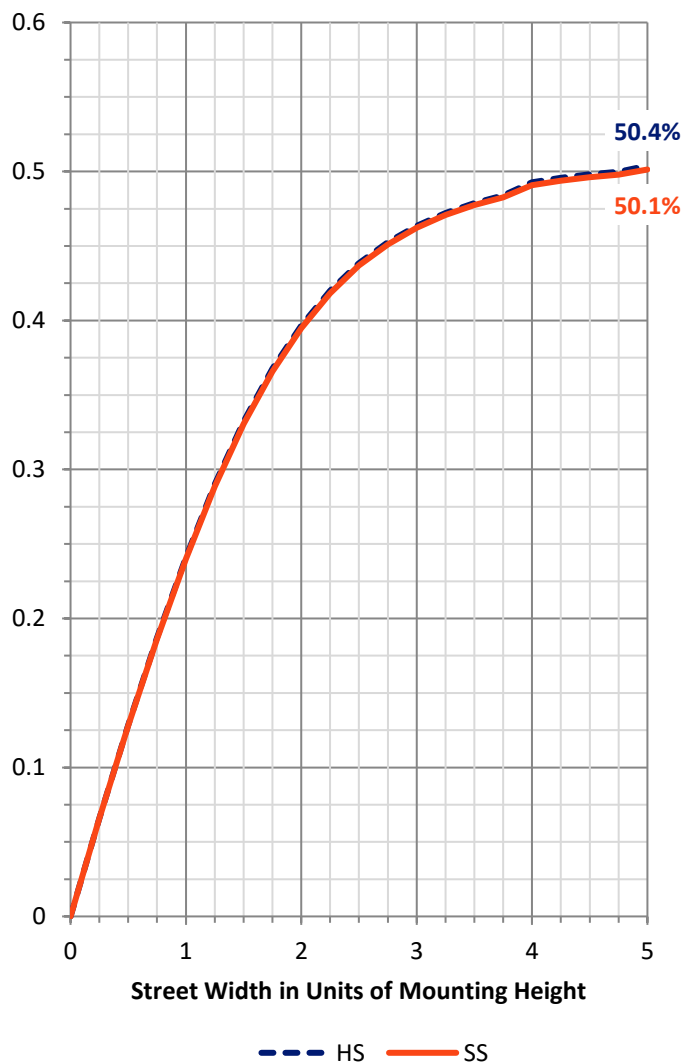
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4225.5	0.0	4225.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4225.5	0.0	4225.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8451.0	0.0	8451.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.6	0.9
10°-20°	199.5	2.4
20°-30°	343.7	4.1
30°-40°	583.6	6.9
40°-50°	1029.6	12.2
50°-60°	1754.7	20.8
60°-70°	2523.9	29.9
70°-80°	1835.3	21.7
80°-90°	107.1	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°	8451.0	100.0
0°-180°	8451.0	100.0

**Coefficient of Utilization**

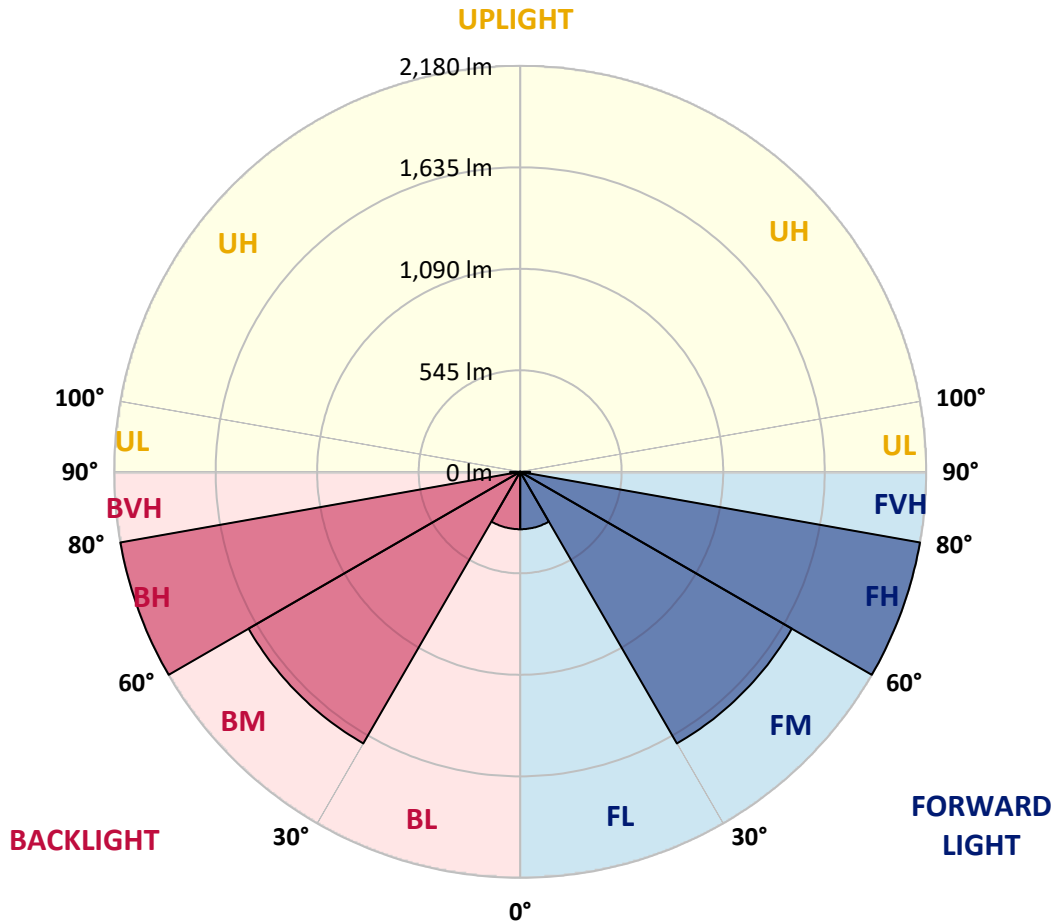


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	308.4	3.6			
FM (30°-60°)	1684.0	19.9			
FH (60°-80°)	2179.6	25.8			G2/5000
FVH (80°-90°)	53.6	0.6			G1/100
BL (0°-30°)	308.4	3.6	B1/500		
BM (30°-60°)	1684.0	19.9	B2/2500		
BH (60°-80°)	2179.6	25.8	B3/2500		G2/5000
BVH (80°-90°)	53.6	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°	821.9
2.5°	808.6
5°	792.6
7.5°	763.2
10°	731.2
12.5°	709.8
15°	699.2
17.5°	696.5
20°	699.2
22.5°	712.5
25°	733.9
27.5°	763.2
30°	797.9
32.5°	845.9
35°	912.6
37.5°	995.4
40°	1080.8
42.5°	1184.8
45°	1307.6
47.5°	1451.7
50°	1609.1
52.5°	1777.3
55°	1953.4
57.5°	2118.8
60°	2287.0
62.5°	2441.7
65°	2623.2
67.5°	2697.9
70°	2511.1
72.5°	2222.9
75°	1852.0
77.5°	1337.0
80°	597.8
82.5°	77.4
85°	16.0
87.5°	2.7
90°	0.0

(END OF REPORT)