

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: P853396

Luminaire Tested: **CRTK-N-40-727-U-T5R-RMARROA5**

Issue Date: 7/11/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P853396  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: CRTK-N-40-727-U-T5R-RMARROA5  
Description:  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

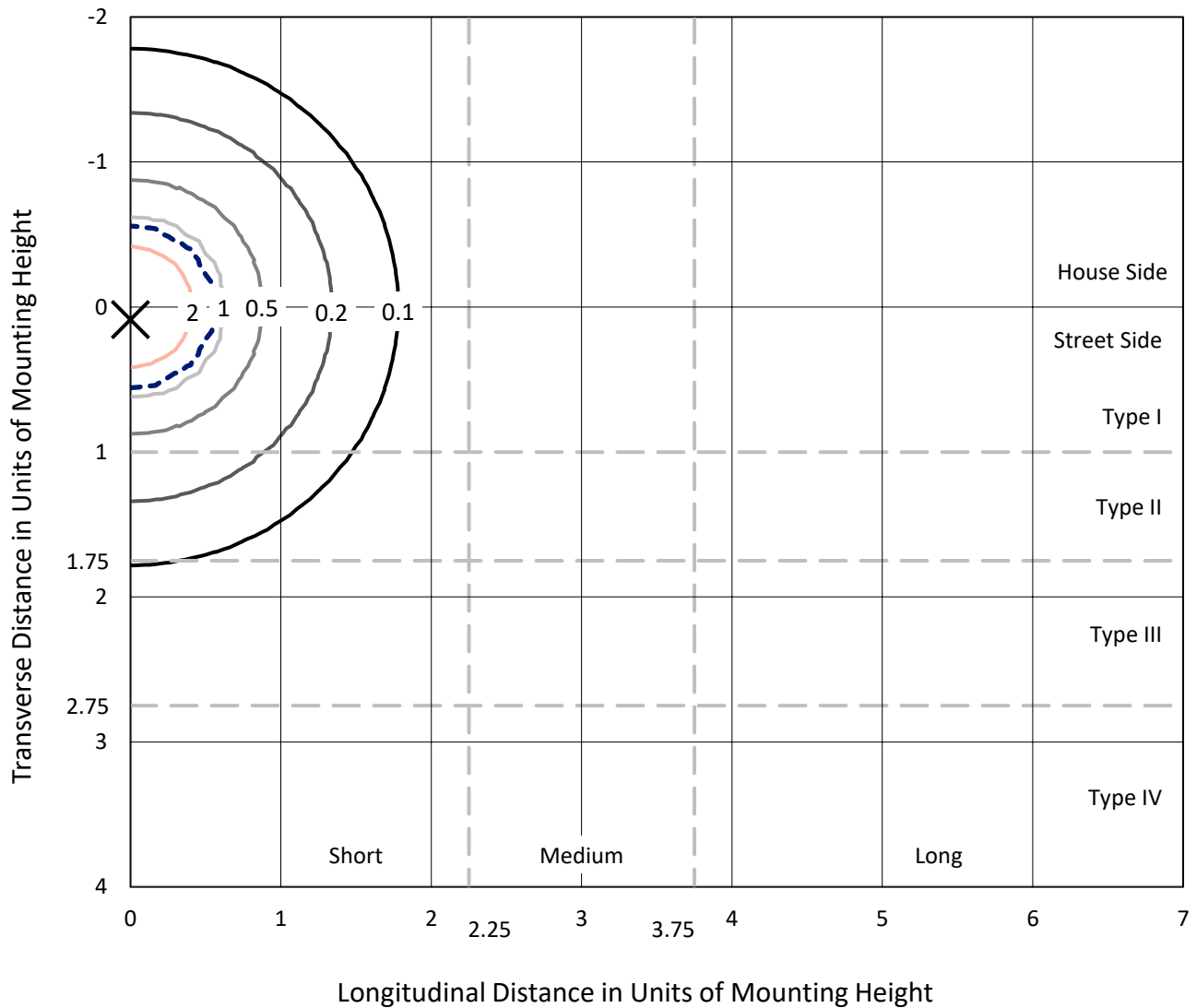
Lumens per Lamp: N/A  
Luminaire Lumens: 4633 lumens  
Efficiency: N/A  
Efficacy: 110.0 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 0.83' x H: 0.54')  
IES Classification: Type V - Short  
BUG Rating: B2 - U3 - G2  
  
Input Watts (W): 42.1  
Input Voltage (V): 120.0  
Input Current (Ain): 0.352  
Voltage Rise (V): NR  
Power Factor: 0.996  
Total Harmonic Distortion (THDi): 7.54%  
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

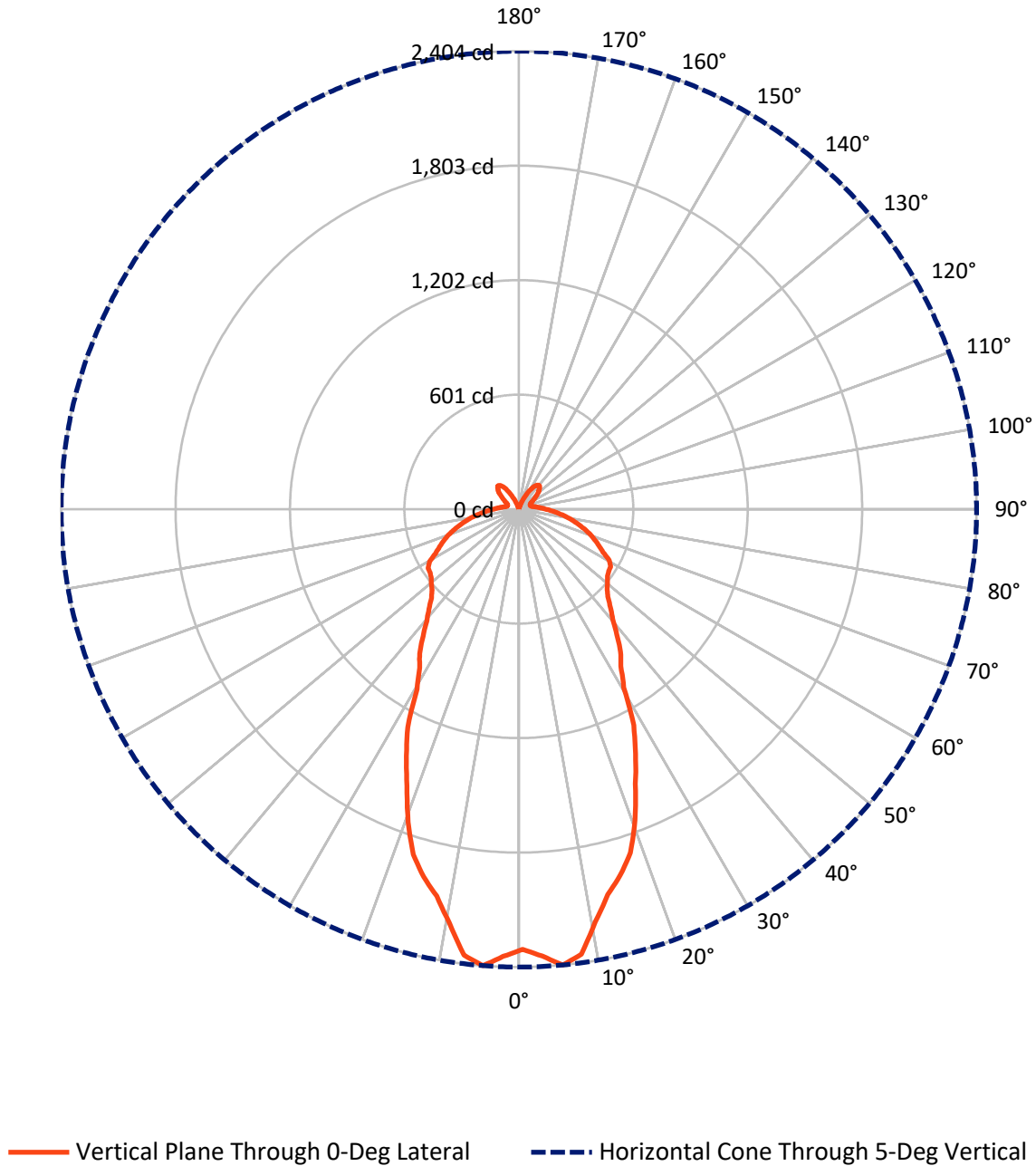
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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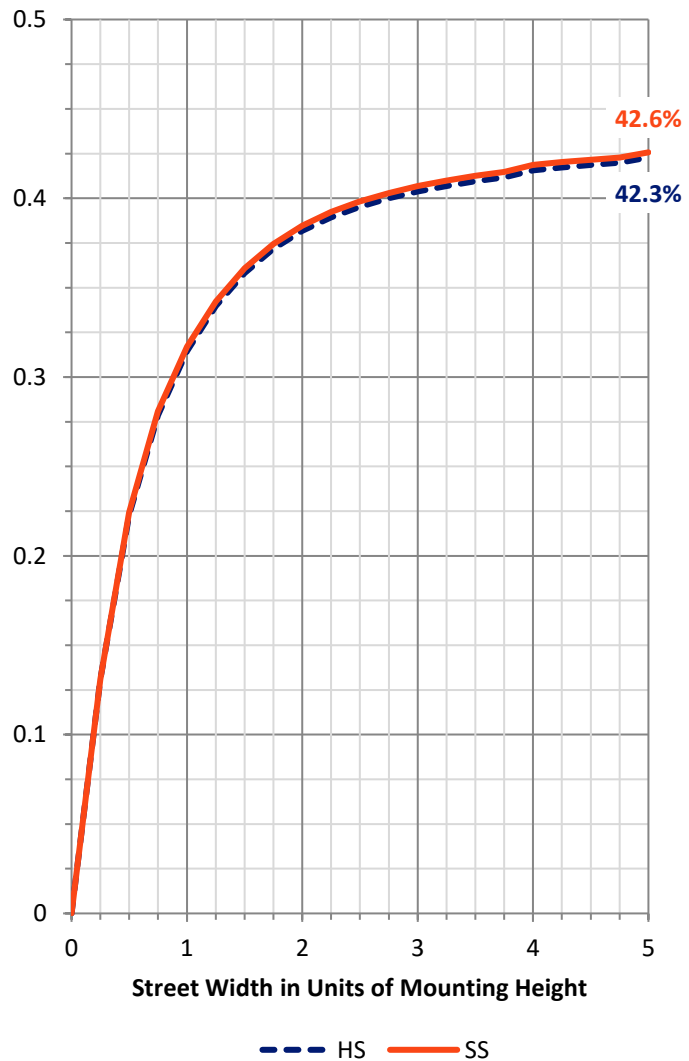
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2023.0	293.5	2316.5
	% Fixture	43.7	6.3	50.0
<b>Street Side</b>	Lumens	2023.0	293.5	2316.5
	% Fixture	43.7	6.3	50.0
<b>Total</b>	Lumens	4046.0	587.0	4633.0
	% Fixture	87.3	12.7	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	222.8	4.8
10°-20°	556.7	12.0
20°-30°	650.1	14.0
30°-40°	571.2	12.3
40°-50°	514.3	11.1
50°-60°	515.3	11.1
60°-70°	460.4	9.9
70°-80°	344.7	7.4
80°-90°	210.6	4.5
90°-100°	112.4	2.4
100°-110°	69.7	1.5
110°-120°	69.1	1.5
120°-130°	95.1	2.1
130°-140°	118.4	2.6
140°-150°	89.4	1.9
150°-160°	29.8	0.6
160°-170°	3.0	0.1
170°-180°	0.0	0.0
0°-90°	4046.0	87.3
0°-180°	4633.0	100.0

**Coefficient of Utilization**



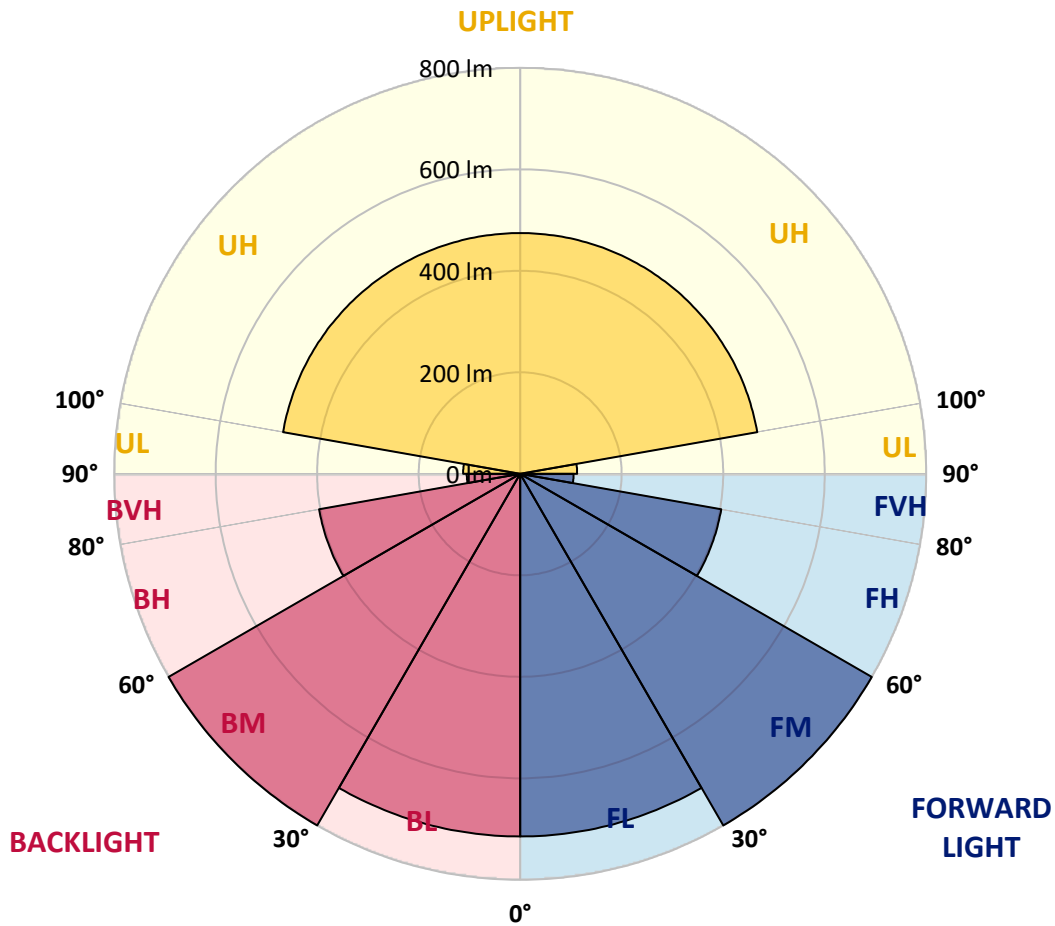
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	714.8	15.4			
FM (30°-60°)	800.4	17.3			
FH (60°-80°)	402.5	8.7			G0/660
FVH (80°-90°)	105.3	2.3			G2/225
BL (0°-30°)	714.8	15.4	B2/1000		
BM (30°-60°)	800.4	17.3	B1/1000		
BH (60°-80°)	402.5	8.7	B1/500		G0/660
BVH (80°-90°)	105.3	2.3			G2/225
UL (90°-100°)	112.4	2.4		U3/500	
UH (100°-180°)	474.6	10.2		U3/500	

**BUG Rating: B2-U3-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2310.9
2.5°	2349.5
5°	2404.4
7.5°	2359.9
10°	2204.0
12.5°	2076.4
15°	1994.8
17.5°	1896.8
20°	1742.5
22.5°	1567.3
25°	1423.4
27.5°	1285.3
30°	1086.4
32.5°	982.5
35°	920.2
37.5°	835.6
40°	759.9
42.5°	705.0
45°	654.5
47.5°	623.4
50°	604.1
52.5°	583.3
55°	572.9
57.5°	568.5
60°	544.7
62.5°	495.7
65°	461.6
67.5°	430.4
70°	397.8
72.5°	362.1
75°	325.0
77.5°	290.9
80°	256.8
82.5°	222.6
85°	191.5
87.5°	161.8
90°	136.5
92.5°	117.3
95°	100.9
97.5°	87.6
100°	75.7
102.5°	68.3
105°	63.8
107.5°	62.3
110°	62.3

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**CANDELA DISTRIBUTION (continued):**

	0°
112.5°	63.8
115°	68.3
117.5°	74.2
120°	83.1
122.5°	93.5
125°	105.4
127.5°	118.7
130°	133.6
132.5°	145.5
135°	155.8
137.5°	163.3
140°	163.3
142.5°	157.3
145°	145.5
147.5°	127.6
150°	105.4
152.5°	81.6
155°	59.4
157.5°	41.6
160°	26.7
162.5°	16.3
165°	7.4
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)