

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: P853477

Luminaire Tested: **CRTK-N-50-750-U-T5R-RMARROA5**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853477
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-50-750-U-T5R-RMARROA5
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5527 lumens
Efficiency: N/A
Efficacy: 115.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.83' x H: 0.54')
IES Classification: Type V - Short
BUG Rating: B2 - U4 - G2

Input Watts (W): 47.7
Input Voltage (V): 120.0
Input Current (Ain): 0.398
Voltage Rise (V): NR
Power Factor: 0.9969
Total Harmonic Distortion (THDi): 6.56%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

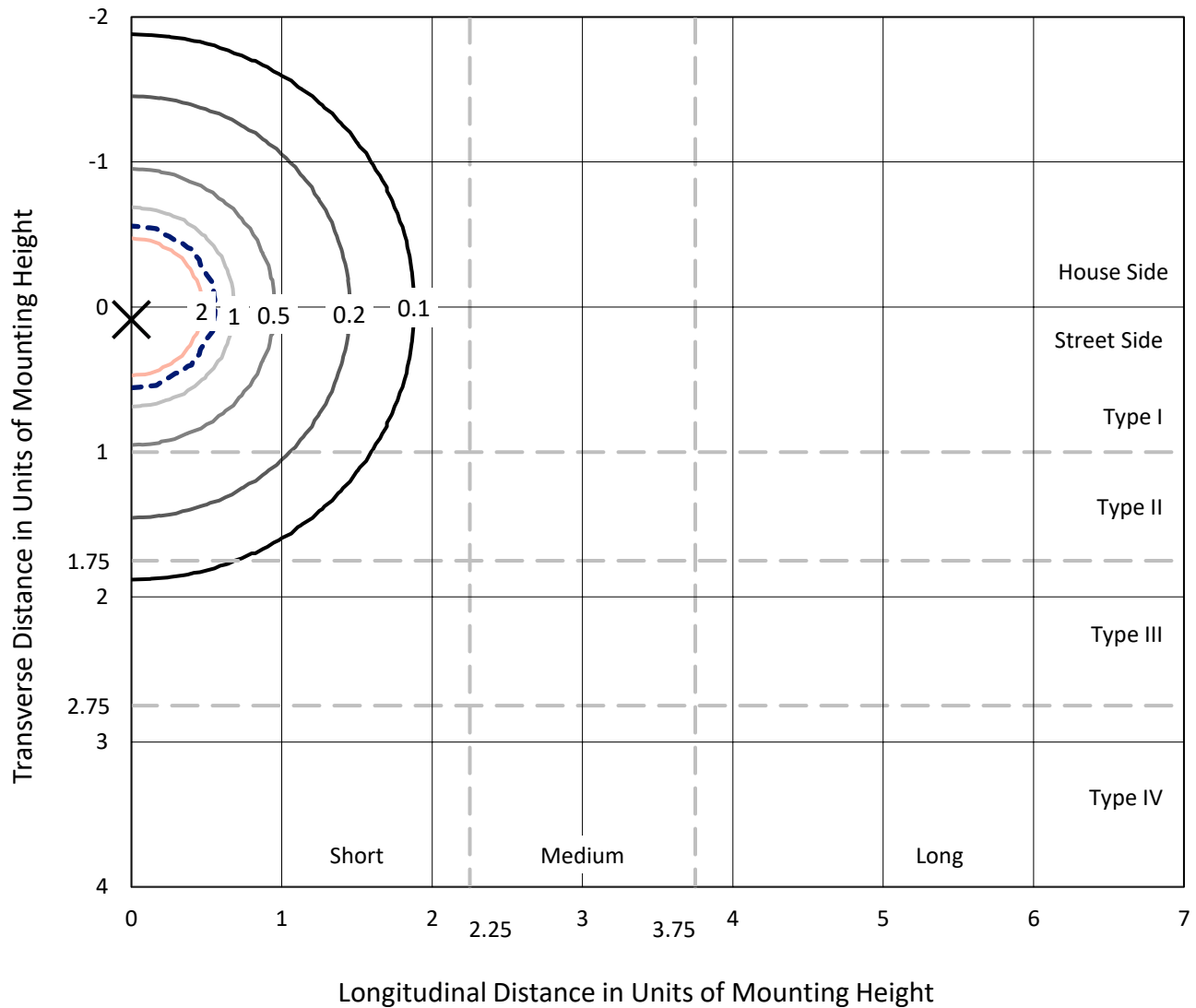


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

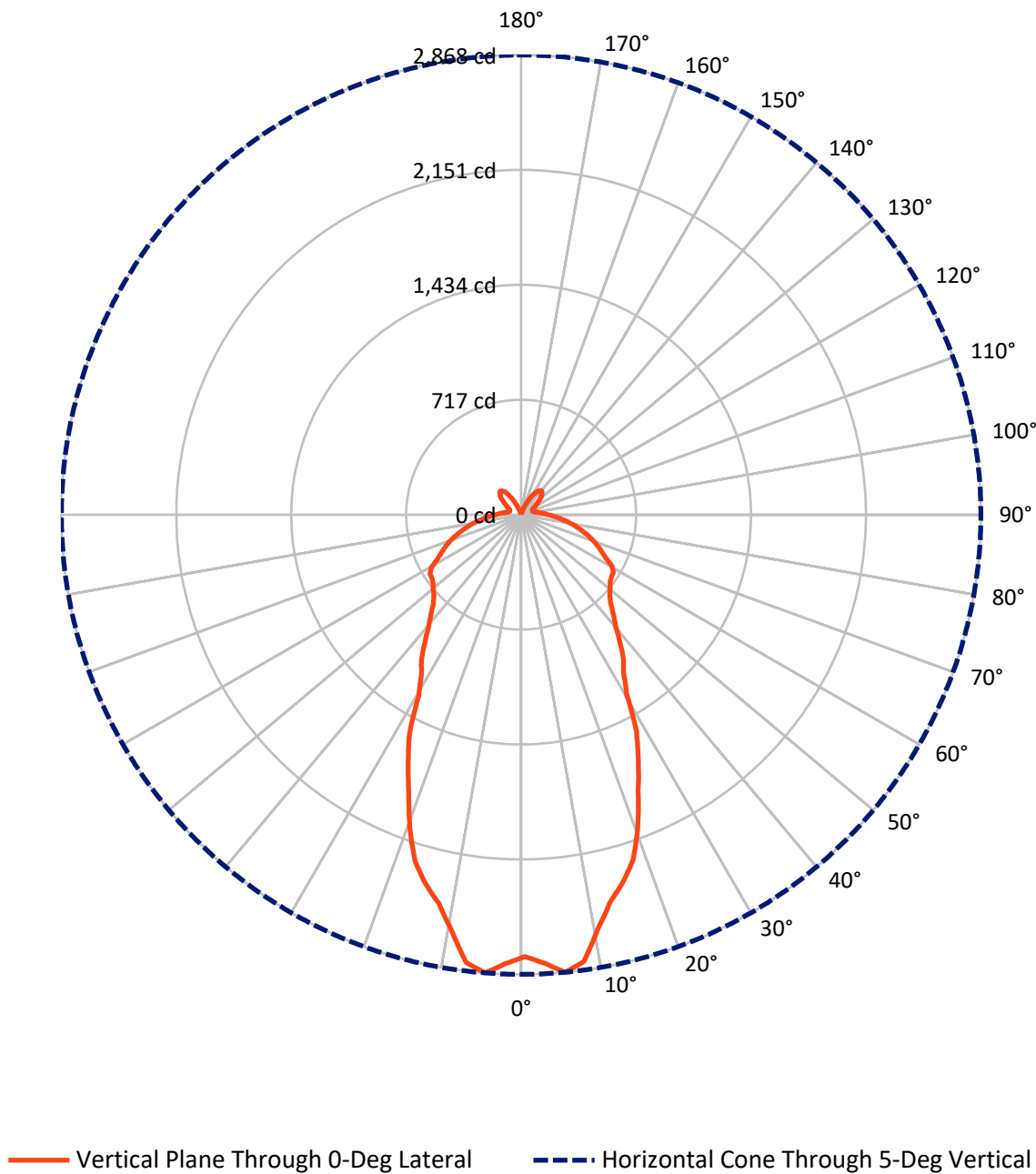


Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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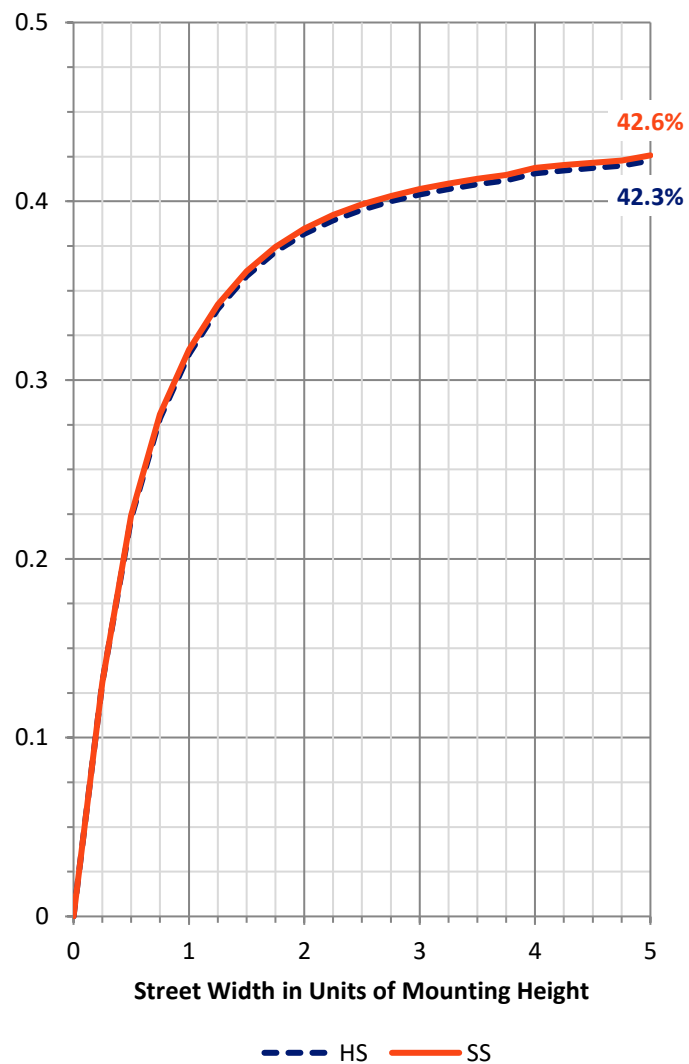
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2413.4	350.1	2763.5
	% Fixture	43.7	6.3	50.0
Street Side	Lumens	2413.4	350.1	2763.5
	% Fixture	43.7	6.3	50.0
Total	Lumens	4826.7	700.3	5527.0
	% Fixture	87.3	12.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.8	4.8
10°-20°	664.1	12.0
20°-30°	775.5	14.0
30°-40°	681.4	12.3
40°-50°	613.5	11.1
50°-60°	614.7	11.1
60°-70°	549.3	9.9
70°-80°	411.2	7.4
80°-90°	251.2	4.5
90°-100°	134.1	2.4
100°-110°	83.2	1.5
110°-120°	82.4	1.5
120°-130°	113.4	2.1
130°-140°	141.2	2.6
140°-150°	106.7	1.9
150°-160°	35.6	0.6
160°-170°	3.6	0.1
170°-180°	0.0	0.0
0°-90°	4826.7	87.3
0°-180°	5527.0	100.0

Coefficient of Utilization



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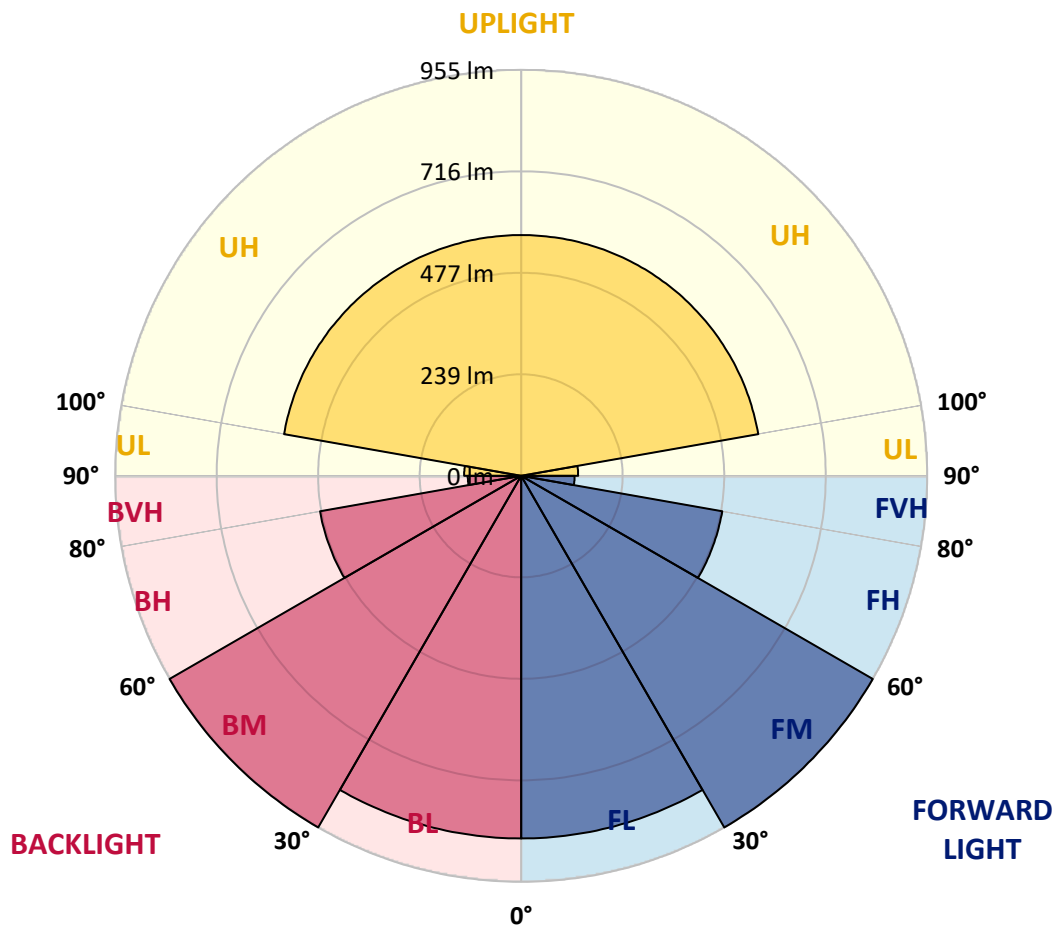
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	852.7	15.4			
FM	(30°-60°)	954.8	17.3			
FH	(60°-80°)	480.2	8.7			G0/660
FVH	(80°-90°)	125.6	2.3			G2/225
BL	(0°-30°)	852.7	15.4	B2/1000		
BM	(30°-60°)	954.8	17.3	B1/1000		
BH	(60°-80°)	480.2	8.7	B1/500		G0/660
BVH	(80°-90°)	125.6	2.3			G2/225
UL	(90°-100°)	134.1	2.4		U3/500	
UH	(100°-180°)	566.1	10.2		U4/1000	

BUG Rating: B2-U4-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2756.8
2.5°	2802.9
5°	2868.4
7.5°	2815.3
10°	2629.3
12.5°	2477.1
15°	2379.7
17.5°	2262.8
20°	2078.7
22.5°	1869.8
25°	1698.0
27.5°	1533.3
30°	1296.1
32.5°	1172.1
35°	1097.8
37.5°	996.9
40°	906.5
42.5°	841.0
45°	780.8
47.5°	743.7
50°	720.6
52.5°	695.8
55°	683.5
57.5°	678.1
60°	649.8
62.5°	591.4
65°	550.7
67.5°	513.5
70°	474.5
72.5°	432.0
75°	387.8
77.5°	347.0
80°	306.3
82.5°	265.6
85°	228.4
87.5°	193.0
90°	162.9
92.5°	139.9
95°	120.4
97.5°	104.5
100°	90.3
102.5°	81.4
105°	76.1
107.5°	74.4
110°	74.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	76.1
115°	81.4
117.5°	88.5
120°	99.2
122.5°	111.5
125°	125.7
127.5°	141.6
130°	159.4
132.5°	173.5
135°	185.9
137.5°	194.8
140°	194.8
142.5°	187.7
145°	173.5
147.5°	152.3
150°	125.7
152.5°	97.4
155°	70.8
157.5°	49.6
160°	31.9
162.5°	19.5
165°	8.9
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)