

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: P853450

Luminaire Tested: **CRTK-N-50-727-U-T5R-RMARROA5**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853450
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-50-727-U-T5R-RMARROA5
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

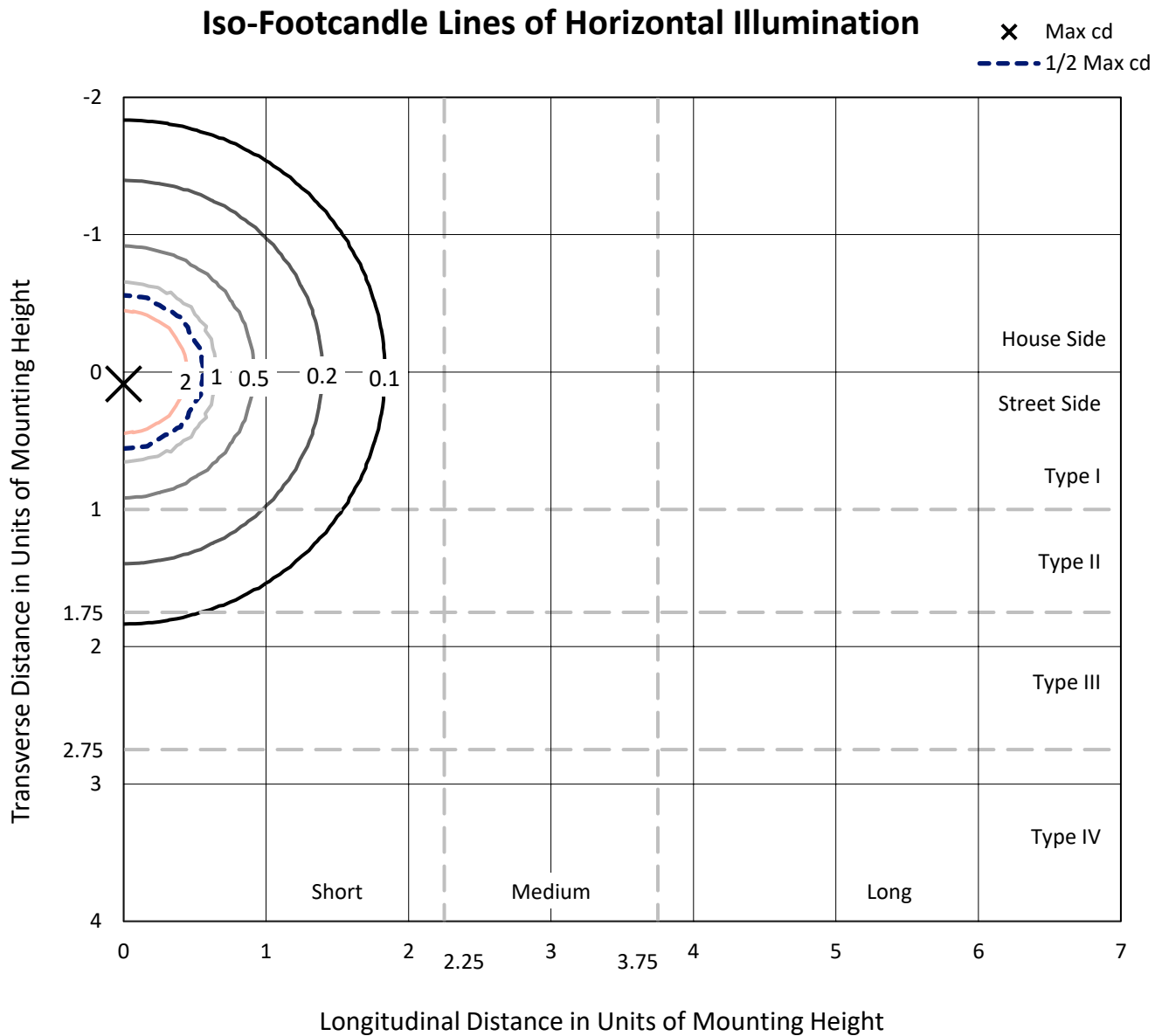
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5080 lumens
Efficiency: N/A
Efficacy: 106.5 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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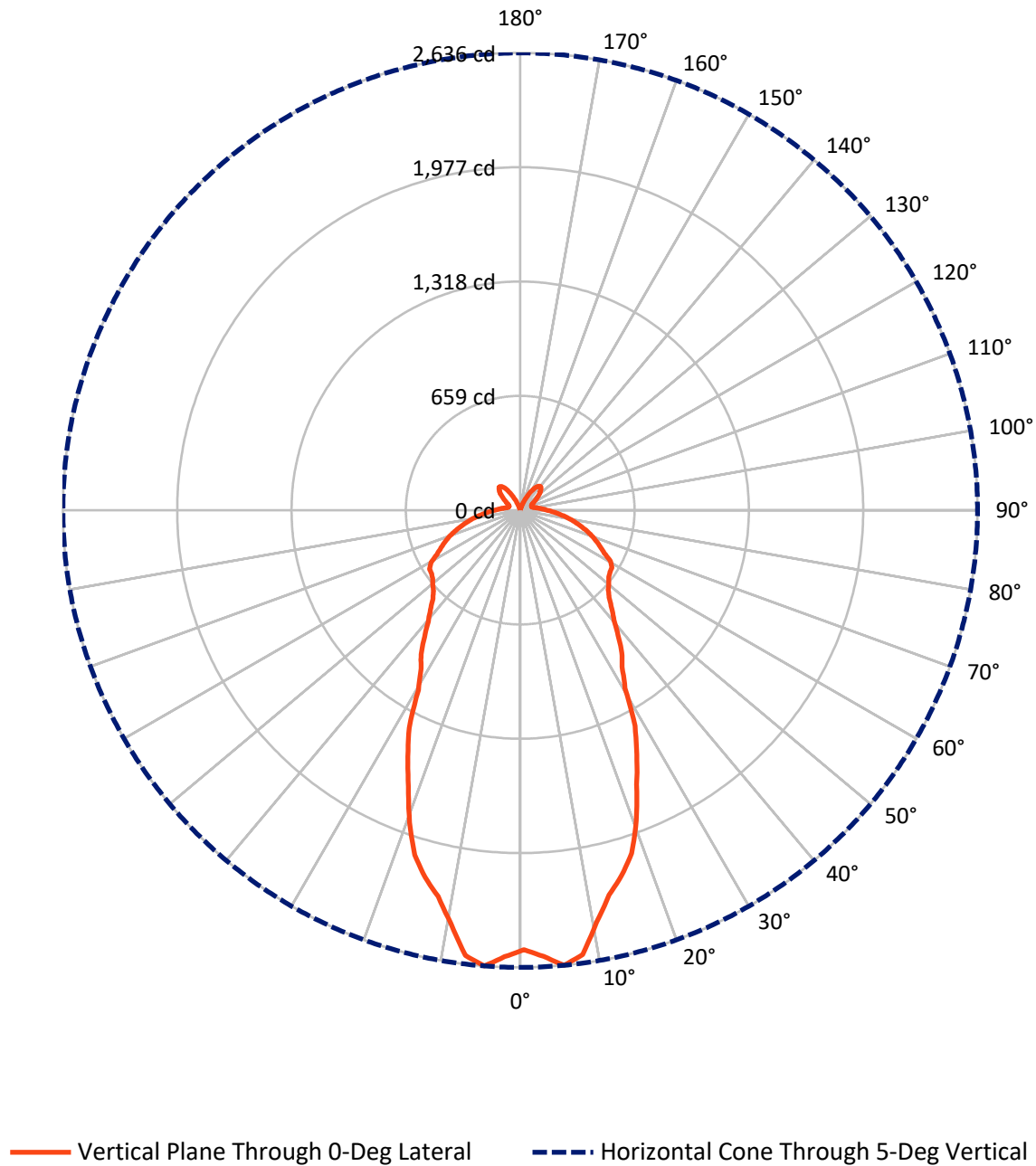


Based on 25 foot mounting height. Maximum calculated value = 4.1 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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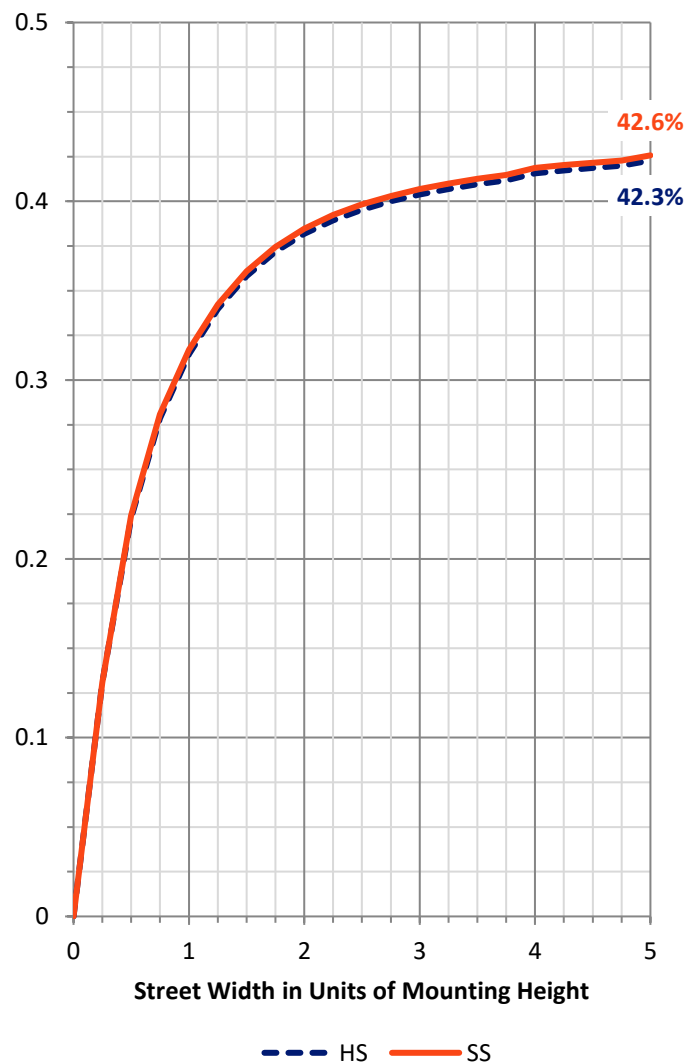
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2218.2	321.9	2540.0
	% Fixture	43.7	6.3	50.0
Street Side	Lumens	2218.2	321.9	2540.0
	% Fixture	43.7	6.3	50.0
Total	Lumens	4436.3	643.7	5080.0
	% Fixture	87.3	12.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.3	4.8
10°-20°	610.4	12.0
20°-30°	712.8	14.0
30°-40°	626.3	12.3
40°-50°	563.9	11.1
50°-60°	565.0	11.1
60°-70°	504.8	9.9
70°-80°	377.9	7.4
80°-90°	230.9	4.5
90°-100°	123.3	2.4
100°-110°	76.5	1.5
110°-120°	75.8	1.5
120°-130°	104.3	2.1
130°-140°	129.8	2.6
140°-150°	98.0	1.9
150°-160°	32.7	0.6
160°-170°	3.3	0.1
170°-180°	0.0	0.0
0°-90°	4436.3	87.3
0°-180°	5080.0	100.0

Coefficient of Utilization



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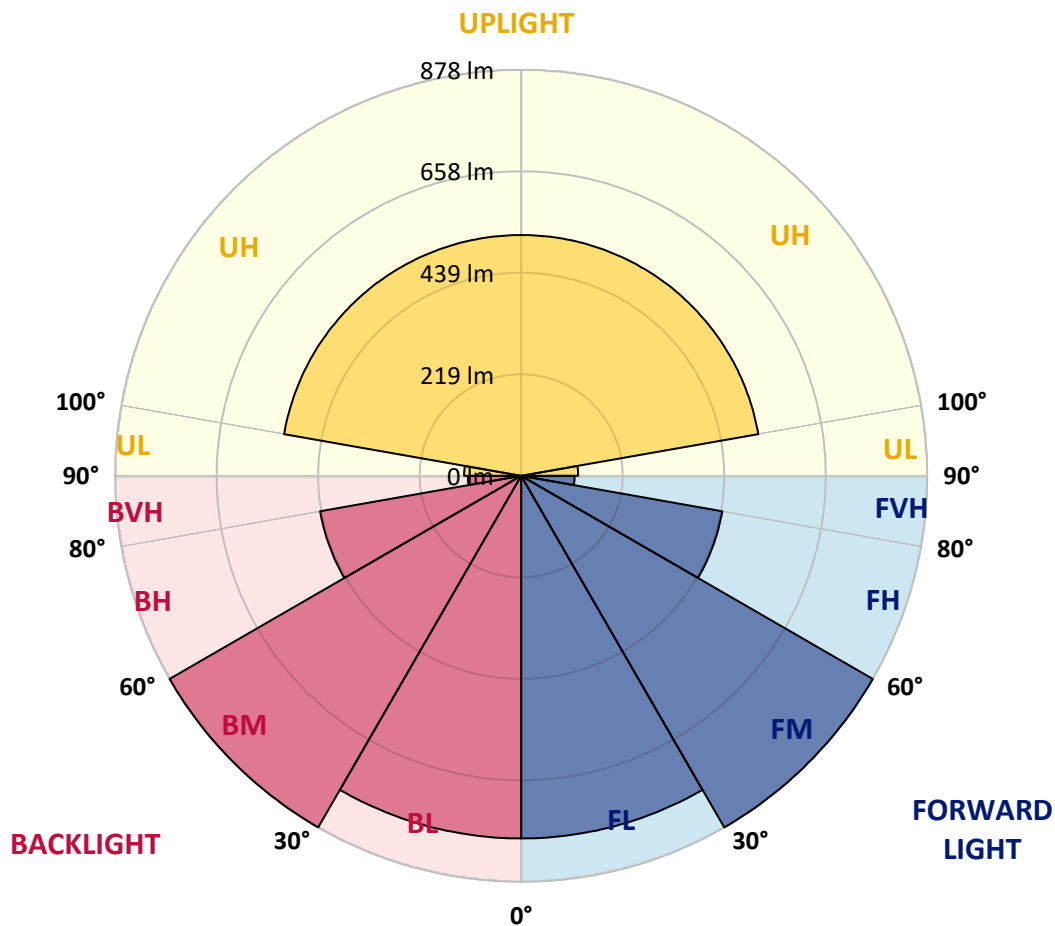
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	783.8	15.4			
FM	(30°-60°)	877.6	17.3			
FH	(60°-80°)	441.4	8.7			G0/660
FVH	(80°-90°)	115.4	2.3			G2/225
BL	(0°-30°)	783.8	15.4	B2/1000		
BM	(30°-60°)	877.6	17.3	B1/1000		
BH	(60°-80°)	441.4	8.7	B1/500		G0/660
BVH	(80°-90°)	115.4	2.3			G2/225
UL	(90°-100°)	123.3	2.4		U3/500	
UH	(100°-180°)	520.4	10.2		U4/1000	

BUG Rating: B2-U4-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	2533.9
2.5°	2576.2
5°	2636.4
7.5°	2587.6
10°	2416.7
12.5°	2276.7
15°	2187.2
17.5°	2079.8
20°	1910.6
22.5°	1718.5
25°	1560.7
27.5°	1409.3
30°	1191.3
32.5°	1077.3
35°	1009.0
37.5°	916.2
40°	833.2
42.5°	773.0
45°	717.7
47.5°	683.5
50°	662.4
52.5°	639.6
55°	628.2
57.5°	623.3
60°	597.3
62.5°	543.6
65°	506.1
67.5°	471.9
70°	436.1
72.5°	397.1
75°	356.4
77.5°	319.0
80°	281.5
82.5°	244.1
85°	209.9
87.5°	177.4
90°	149.7
92.5°	128.6
95°	110.7
97.5°	96.0
100°	83.0
102.5°	74.9
105°	70.0
107.5°	68.4
110°	68.4

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	70.0
115°	74.9
117.5°	81.4
120°	91.1
122.5°	102.5
125°	115.5
127.5°	130.2
130°	146.5
132.5°	159.5
135°	170.9
137.5°	179.0
140°	179.0
142.5°	172.5
145°	159.5
147.5°	140.0
150°	115.5
152.5°	89.5
155°	65.1
157.5°	45.6
160°	29.3
162.5°	17.9
165°	8.1
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)