

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: P853449

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

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853449
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-15)
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-CNR
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

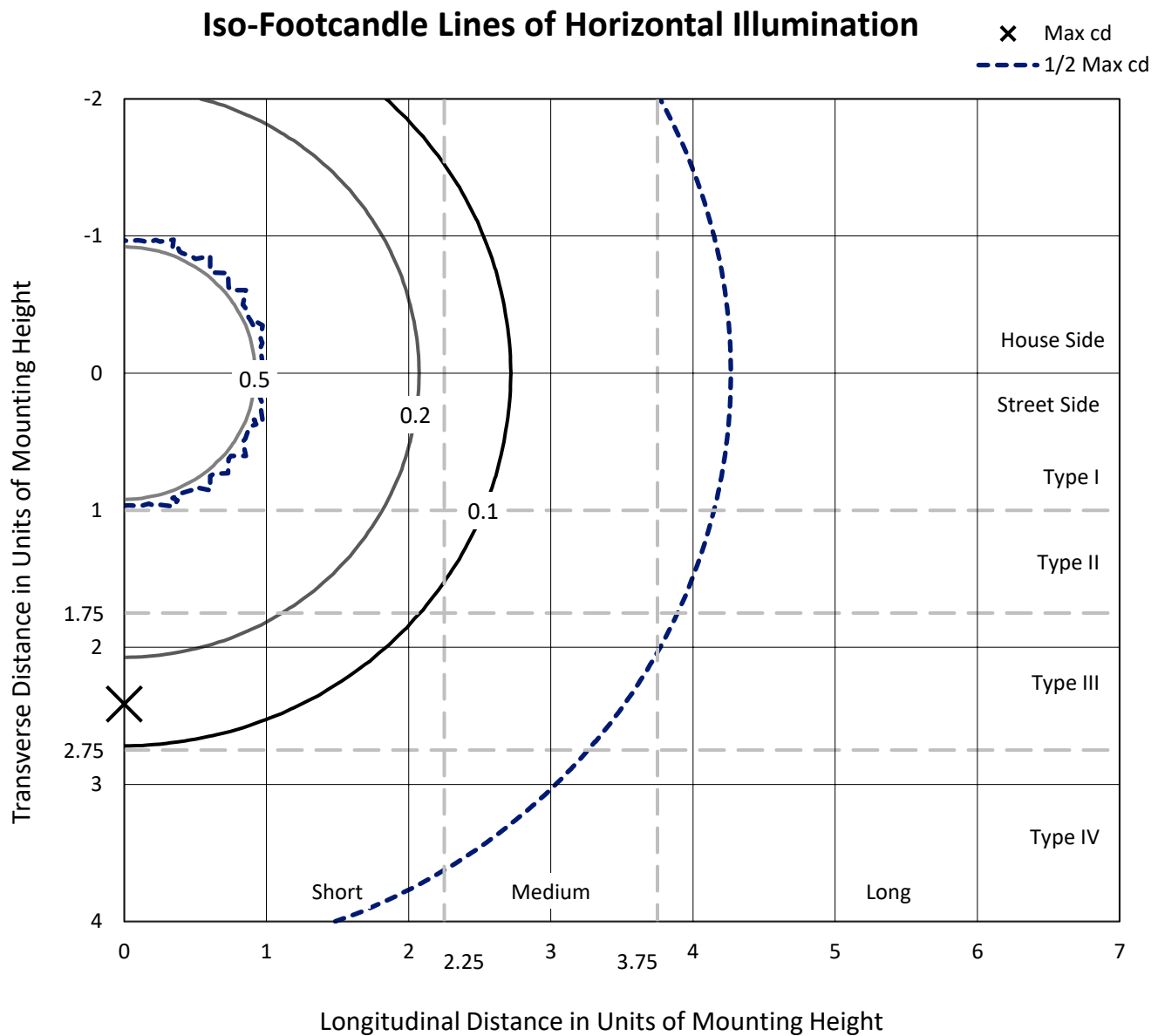
Lumens per Lamp: N/A
Luminaire Lumens: 5743.9 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.5' x H: 0.25')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

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



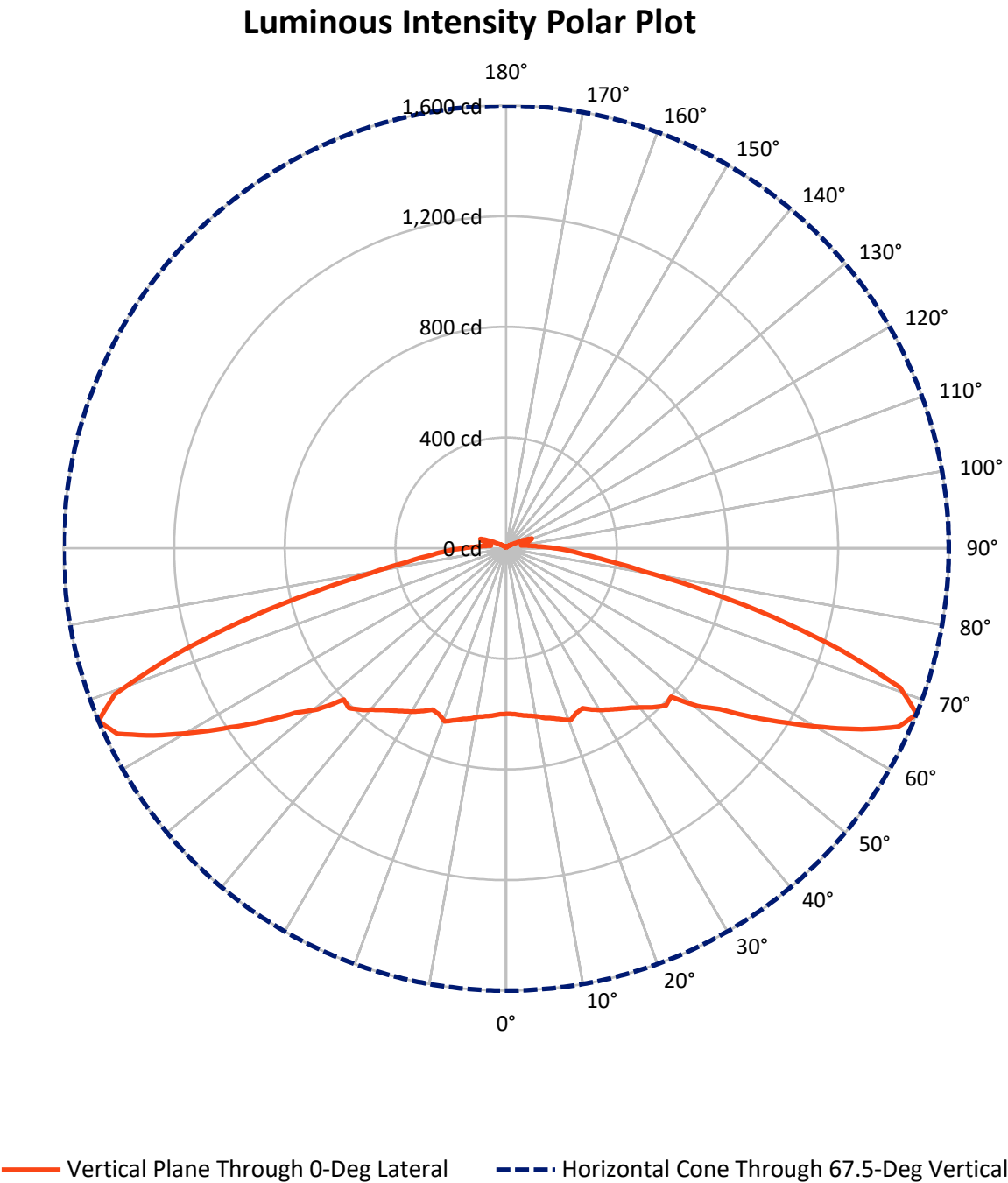
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Based on 25 foot mounting height. Maximum calculated value = 1 fc
Type V - Short - N/A

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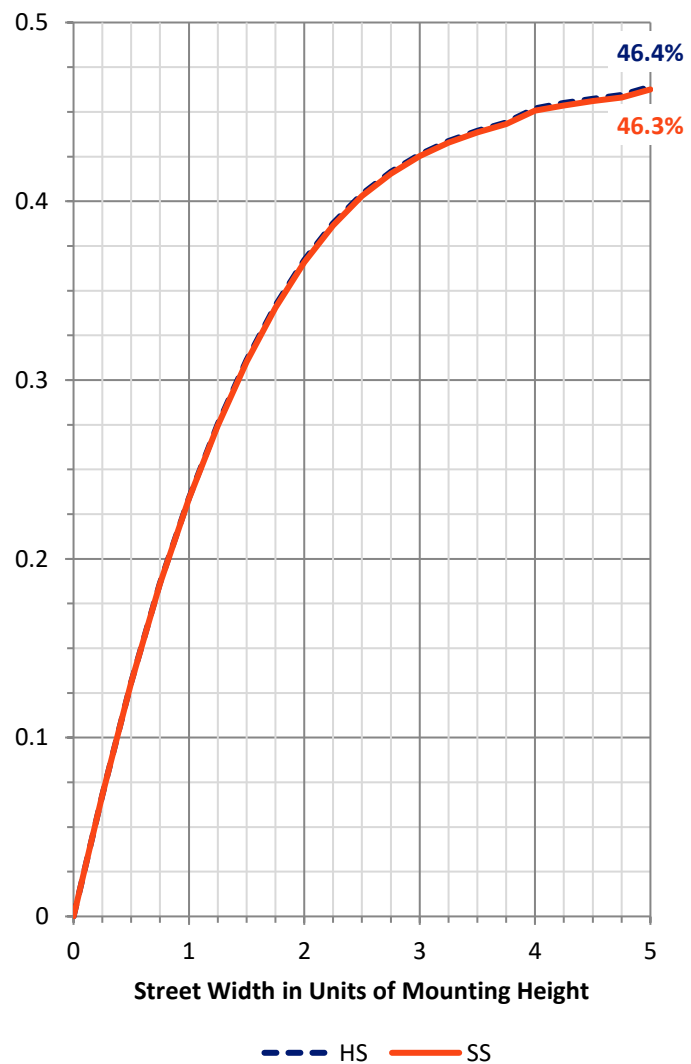
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2732.5	139.5	2872.0
	% Fixture	47.6	2.4	50.0
Street Side	Lumens	2732.5	139.5	2872.0
	% Fixture	47.6	2.4	50.0
Total	Lumens	5465.0	278.9	5743.9
	% Fixture	95.1	4.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.2	1.0
10°-20°	182.0	3.2
20°-30°	303.5	5.3
30°-40°	449.7	7.8
40°-50°	625.4	10.9
50°-60°	976.7	17.0
60°-70°	1493.0	26.0
70°-80°	1052.5	18.3
80°-90°	324.0	5.6
90°-100°	104.4	1.8
100°-110°	77.9	1.4
110°-120°	61.6	1.1
120°-130°	19.3	0.3
130°-140°	8.9	0.2
140°-150°	4.1	0.1
150°-160°	2.0	0.0
160°-170°	0.7	0.0
170°-180°	0.0	0.0
0°-90°	5465.0	95.1
0°-180°	5743.9	100.0

Coefficient of Utilization



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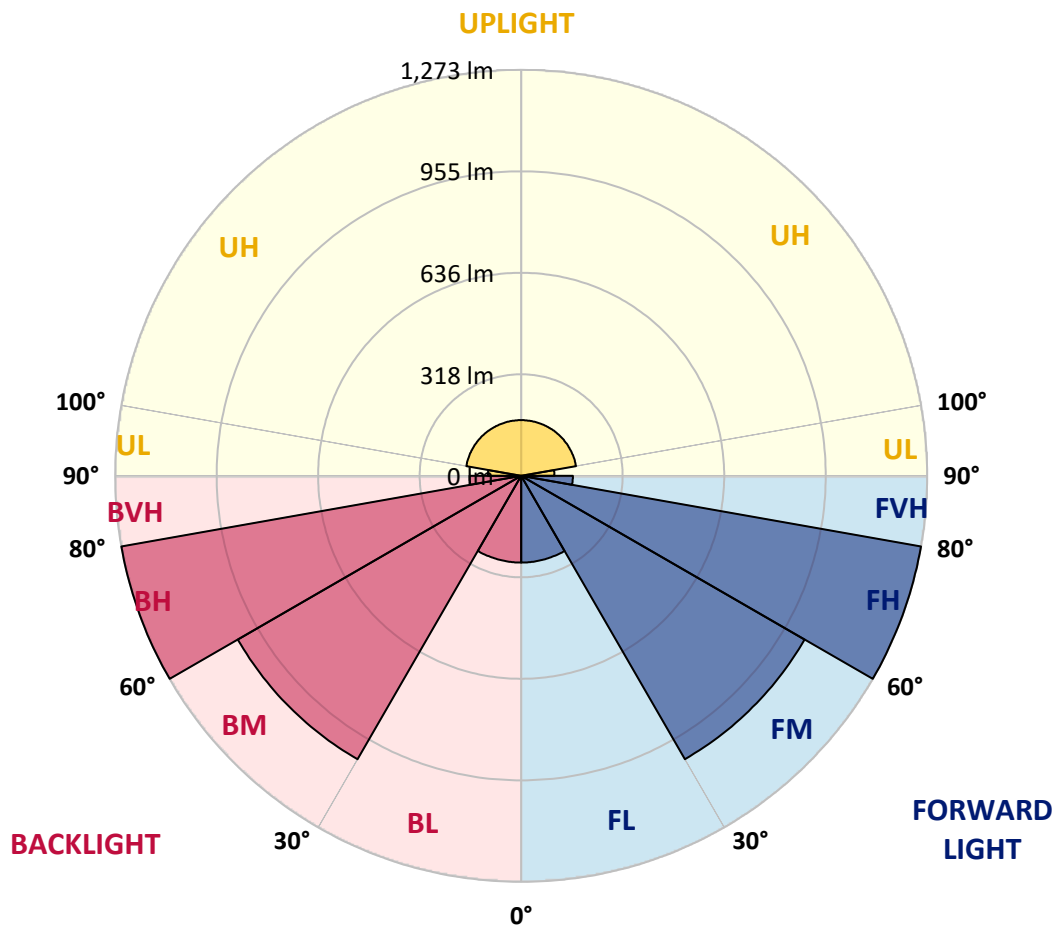
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	271.9	4.7			
FM	(30°-60°)	1025.9	17.9			
FH	(60°-80°)	1272.7	22.2			G1/1800
FVH	(80°-90°)	162.0	2.8			G2/225
BL	(0°-30°)	271.9	4.7	B1/500		
BM	(30°-60°)	1025.9	17.9	B2/2500		
BH	(60°-80°)	1272.7	22.2	B3/2500		G1/1800
BVH	(80°-90°)	162.0	2.8			G2/225
UL	(90°-100°)	104.4	1.8		U3/500	
UH	(100°-180°)	174.5	3.0		U3/500	

BUG Rating: B3-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

0°	
0°	598.8
2.5°	600.4
5°	606.9
7.5°	611.8
10°	618.3
12.5°	629.7
15°	637.9
17.5°	650.9
20°	663.9
22.5°	647.6
25°	641.1
27.5°	660.6
30°	678.5
32.5°	694.8
35°	712.7
37.5°	732.2
40°	756.6
42.5°	785.9
45°	810.3
47.5°	802.2
50°	896.6
52.5°	966.6
55°	1077.2
57.5°	1189.5
60°	1313.2
62.5°	1441.7
65°	1557.2
67.5°	1599.5
70°	1510.0
72.5°	1269.2
75°	997.5
77.5°	724.1
80°	497.9
82.5°	362.9
85°	276.6
87.5°	219.7
90°	162.7
92.5°	115.5
95°	89.5
97.5°	68.3
100°	55.3
102.5°	57.0
105°	70.0
107.5°	91.1
110°	99.3

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CANDELA DISTRIBUTION (continued):

	0°
112.5°	79.7
115°	61.8
117.5°	40.7
120°	29.3
122.5°	24.4
125°	21.2
127.5°	17.9
130°	14.6
132.5°	13.0
135°	11.4
137.5°	9.8
140°	8.1
142.5°	6.5
145°	6.5
147.5°	6.5
150°	4.9
152.5°	4.9
155°	4.9
157.5°	3.3
160°	3.3
162.5°	3.3
165°	3.3
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)