

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: P525623

Luminaire Tested: **IFLD-S-SA2C-927-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525623
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-927-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33
distribution lens
Light Source: (32) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

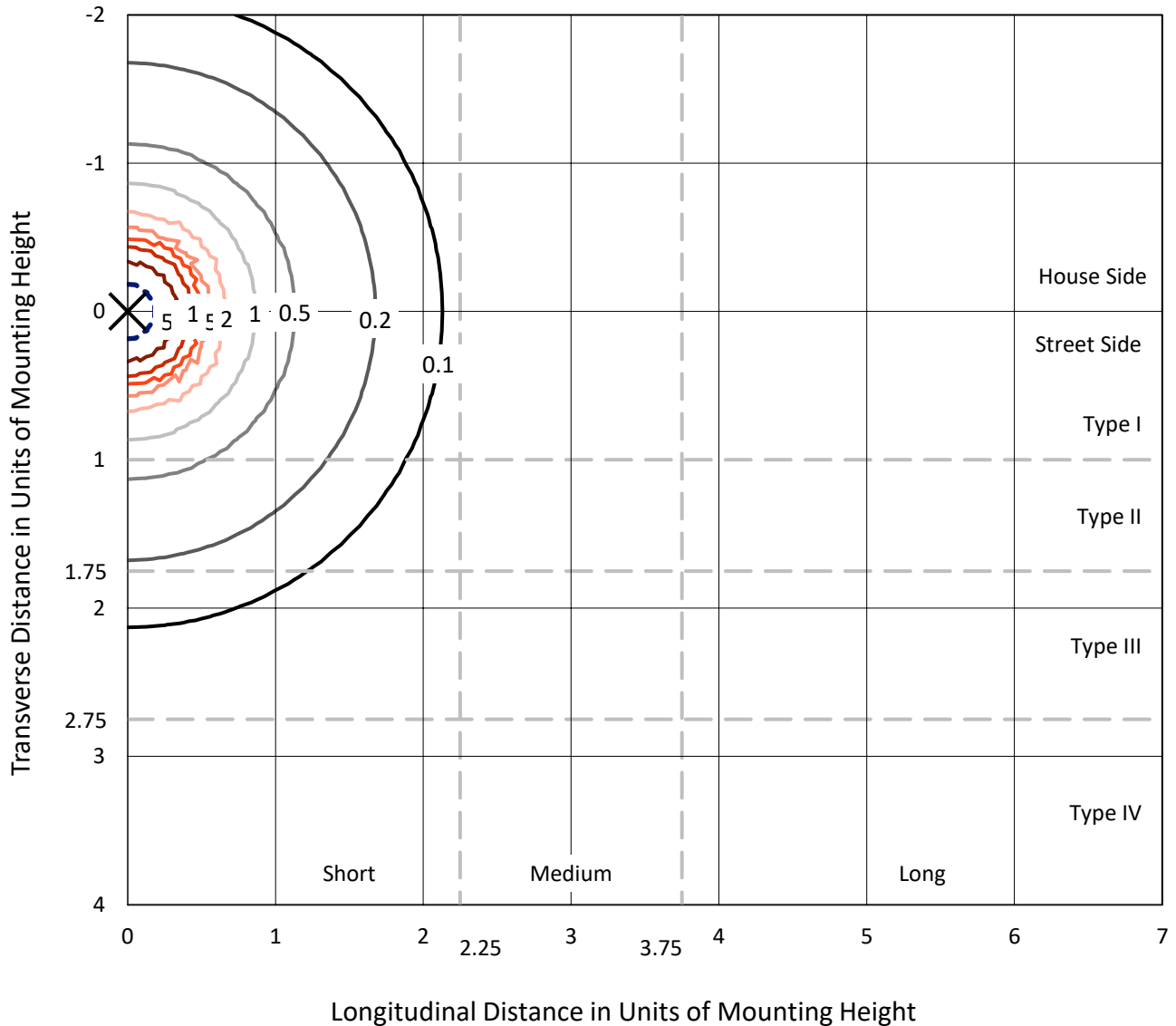
Lumens per Lamp: N/A
Luminaire Lumens: 9159.4 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 108.2
Input Voltage (V): 120
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

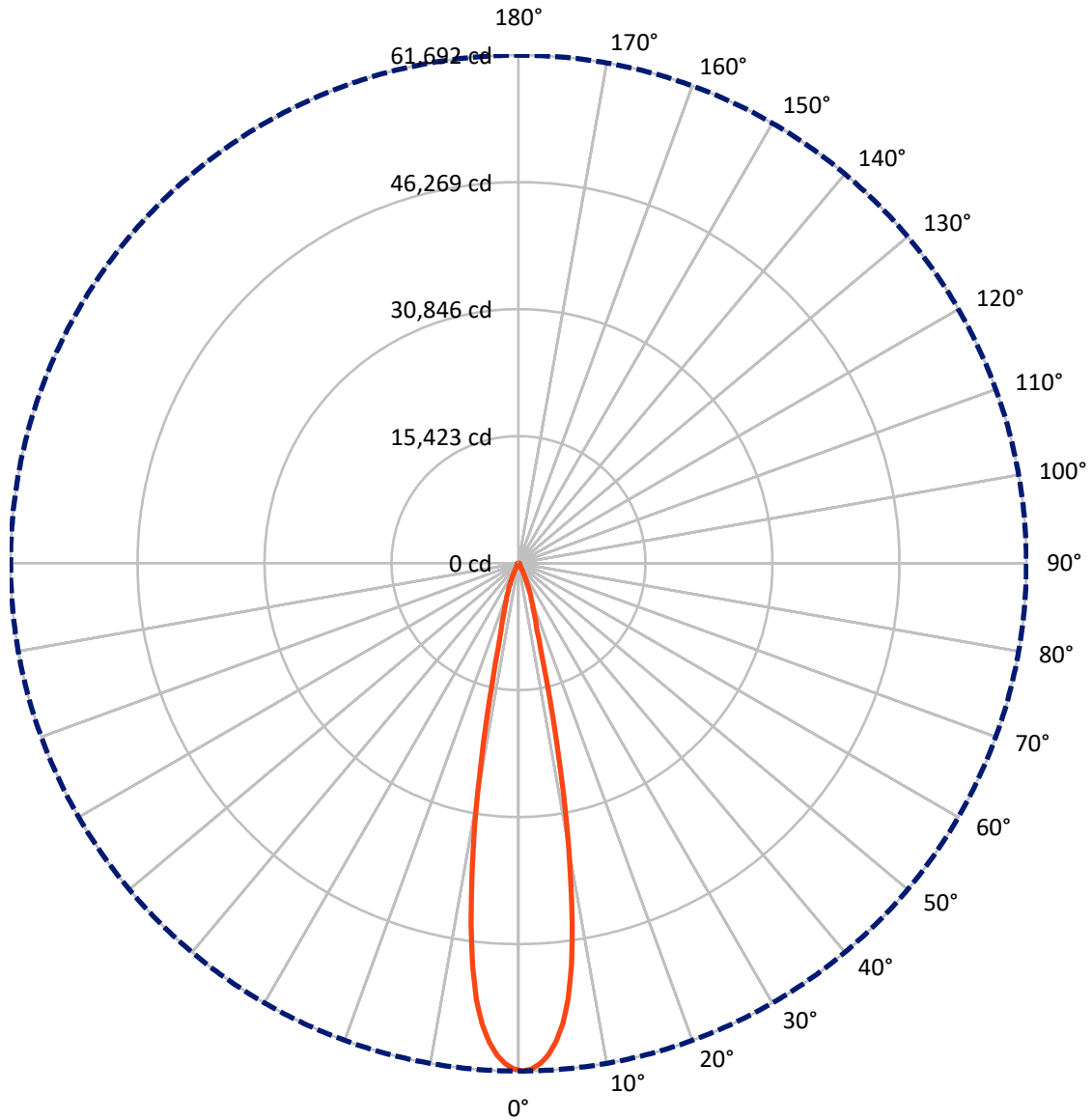
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 616.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4579.7	0.0	4579.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4579.7	0.0	4579.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	9159.4	0.0	9159.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4593.3	50.1
10°-20°	3021.3	33.0
20°-30°	812.7	8.9
30°-40°	201.9	2.2
40°-50°	150.7	1.6
50°-60°	138.6	1.5
60°-70°	127.1	1.4
70°-80°	82.2	0.9
80°-90°	31.6	0.3
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°	9159.4	100.0
0°-180°	9159.4	100.0

Coefficient of Utilization



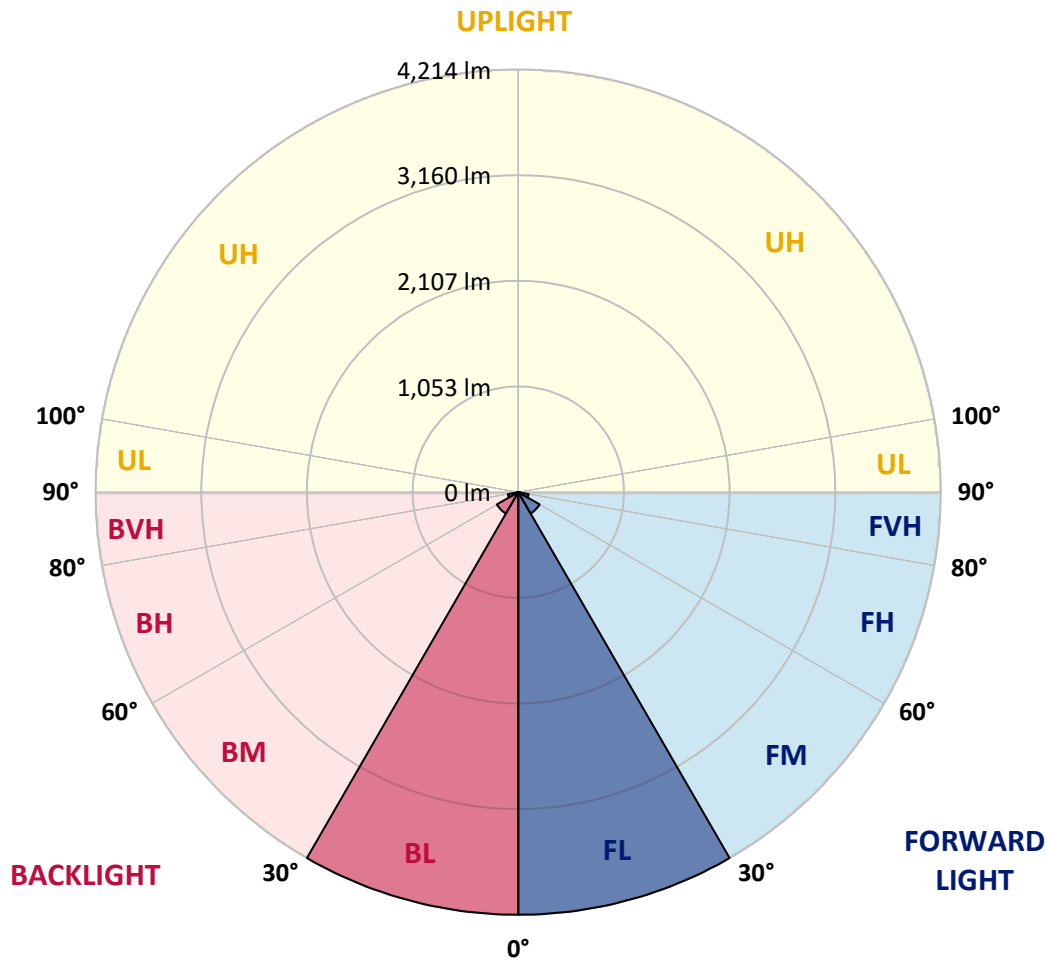
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4213.7	46.0			
FM (30°-60°)	245.6	2.7			
FH (60°-80°)	104.7	1.1			G0/660
FVH (80°-90°)	15.8	0.2			G1/100
BL (0°-30°)	4213.7	46.0	B4/5000		
BM (30°-60°)	245.6	2.7	B1/1000		
BH (60°-80°)	104.7	1.1	B0/110		G0/660
BVH (80°-90°)	15.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

0°	
0°	61692.4
1°	61451.0
2°	60842.7
3°	59806.8
4°	58297.6
5°	56196.2
6°	53262.6
7°	49247.4
8°	44155.8
9°	38151.1
10°	32061.4
11°	25519.9
12°	19447.8
13°	14371.1
14°	10755.0
15°	8423.0
17.5°	5645.9
20°	4081.4
22.5°	2690.8
25°	1579.4
27.5°	886.1
30°	495.0
32.5°	361.5
35°	306.2
37.5°	269.8
40°	237.4
42.5°	213.1
45°	191.5
47.5°	176.7
50°	164.5
52.5°	157.8
55°	153.8
57.5°	151.1
60°	147.0
62.5°	138.9
65°	129.5
67.5°	118.7
70°	105.2
72.5°	90.4
75°	76.9
77.5°	64.7
80°	54.0
82.5°	43.2
85°	32.4
87.5°	13.5



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)