

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: P525777

Luminaire Tested: **IFLD-S-SA2A-950-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525777
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-950-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33
distribution lens
Light Source: (32) 5000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

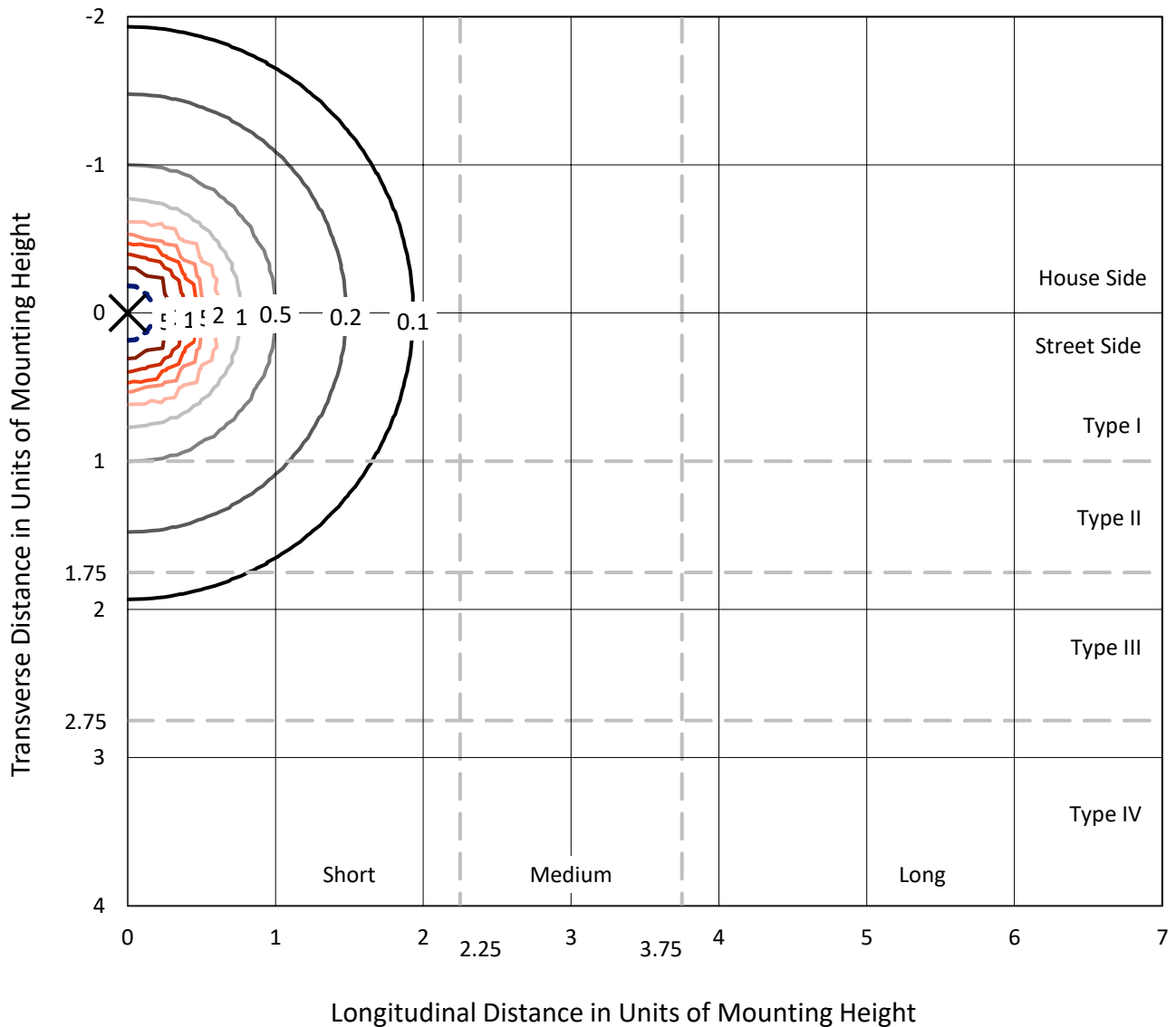
Lumens per Lamp: N/A
Luminaire Lumens: 6790.8 lumens
Efficiency: N/A
Efficacy: 106.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

Input Watts (W): 63.8
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

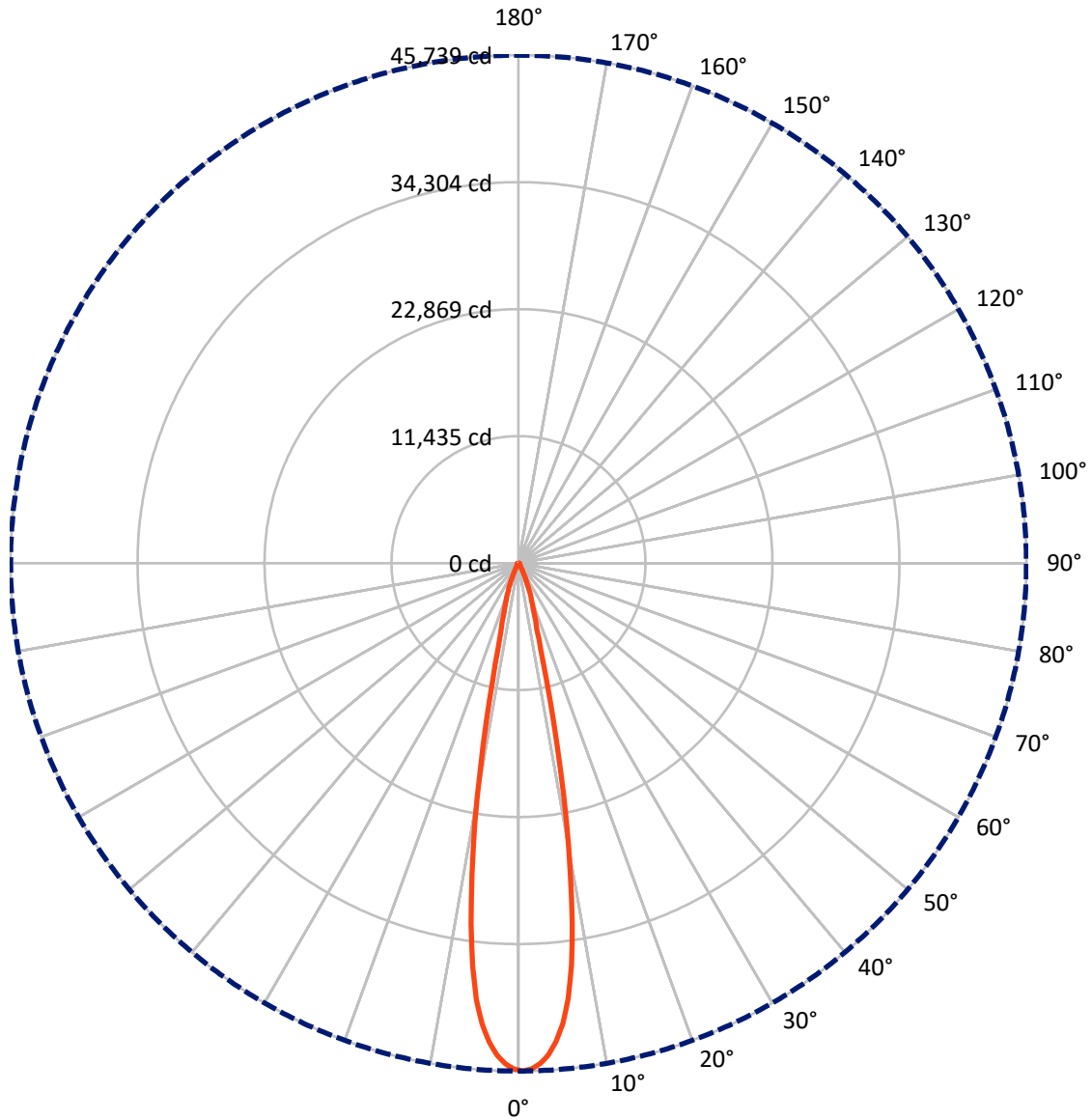
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 457.4 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	3395.4	0.0	3395.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3395.4	0.0	3395.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	6790.8	0.0	6790.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3405.5	50.1
10°-20°	2240.0	33.0
20°-30°	602.5	8.9
30°-40°	149.7	2.2
40°-50°	111.7	1.6
50°-60°	102.7	1.5
60°-70°	94.2	1.4
70°-80°	60.9	0.9
80°-90°	23.4	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°	6790.8	100.0
0°-180°	6790.8	100.0

Coefficient of Utilization



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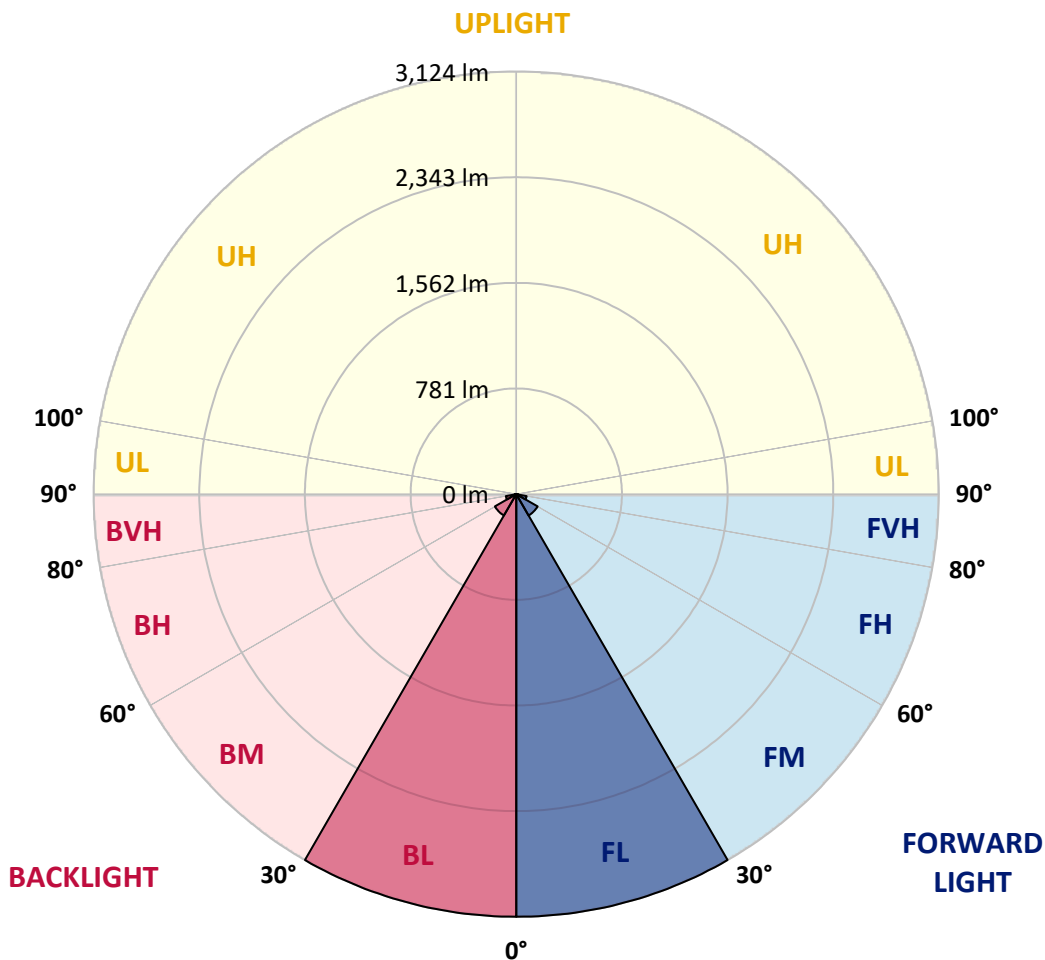
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3124.0	46.0			
FM (30°-60°)	182.1	2.7			
FH (60°-80°)	77.6	1.1			G0/660
FVH (80°-90°)	11.7	0.2			G1/100
BL (0°-30°)	3124.0	46.0	B4/5000		
BM (30°-60°)	182.1	2.7	B0/220		
BH (60°-80°)	77.6	1.1	B0/110		G0/660
BVH (80°-90°)	11.7	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°	45738.9
1°	45560.0
2°	45109.0
3°	44341.0
4°	43222.0
5°	41664.0
6°	39489.1
7°	36512.2
8°	32737.2
9°	28285.4
10°	23770.5
11°	18920.6
12°	14418.7
13°	10654.8
14°	7973.8
15°	6244.9
17.5°	4185.9
20°	3025.9
22.5°	1995.0
25°	1171.0
27.5°	657.0
30°	367.0
32.5°	268.0
35°	227.0
37.5°	200.0
40°	176.0
42.5°	158.0
45°	142.0
47.5°	131.0
50°	122.0
52.5°	117.0
55°	114.0
57.5°	112.0
60°	109.0
62.5°	103.0
65°	96.0
67.5°	88.0
70°	78.0
72.5°	67.0
75°	57.0
77.5°	48.0
80°	40.0
82.5°	32.0
85°	24.0
87.5°	10.0



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)