

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: P525766

Luminaire Tested: **IFLD-M-SA4D-940-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525766
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-940-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (64) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

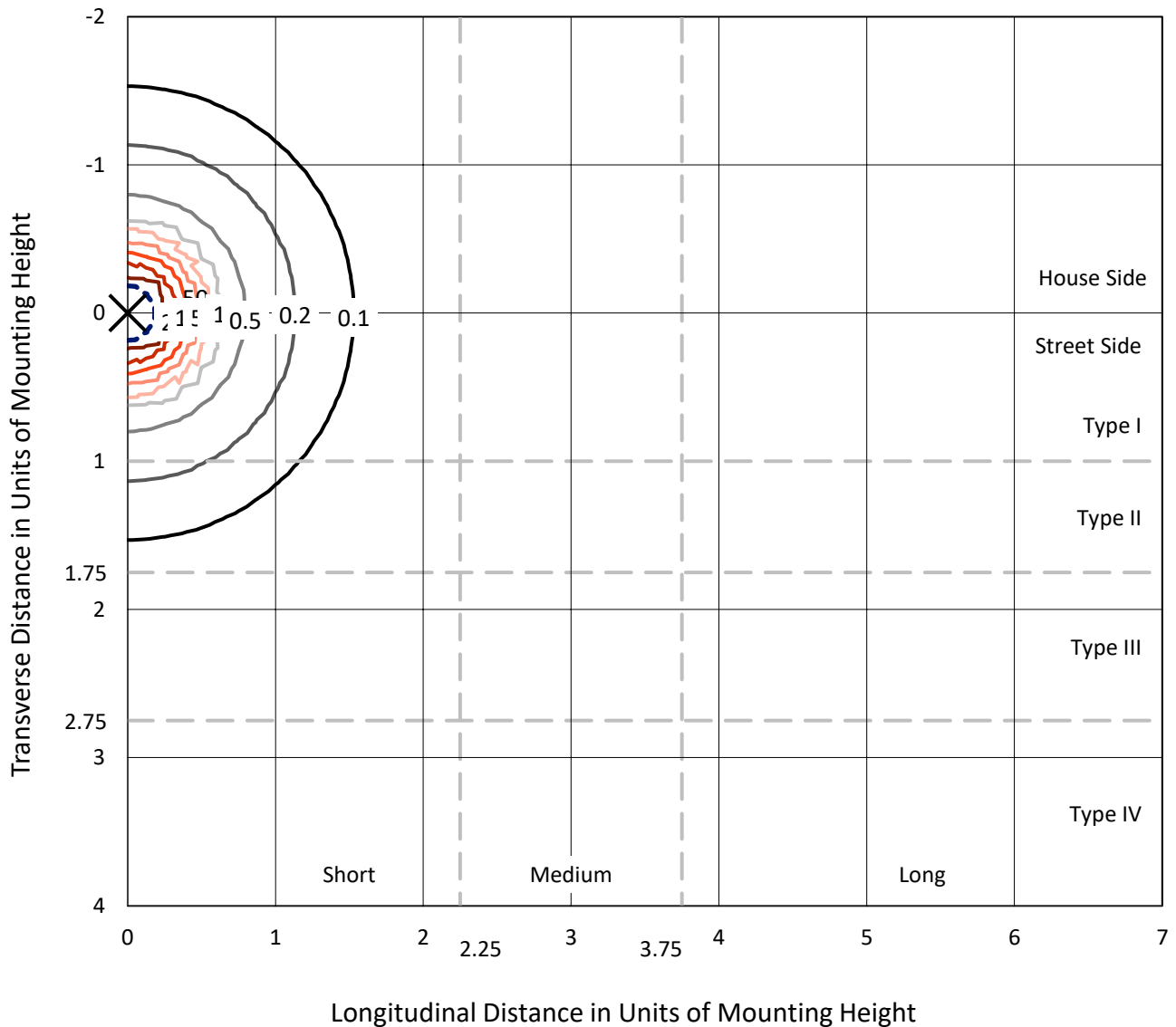
Lumens per Lamp: N/A
Luminaire Lumens: 23011 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 249.7
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

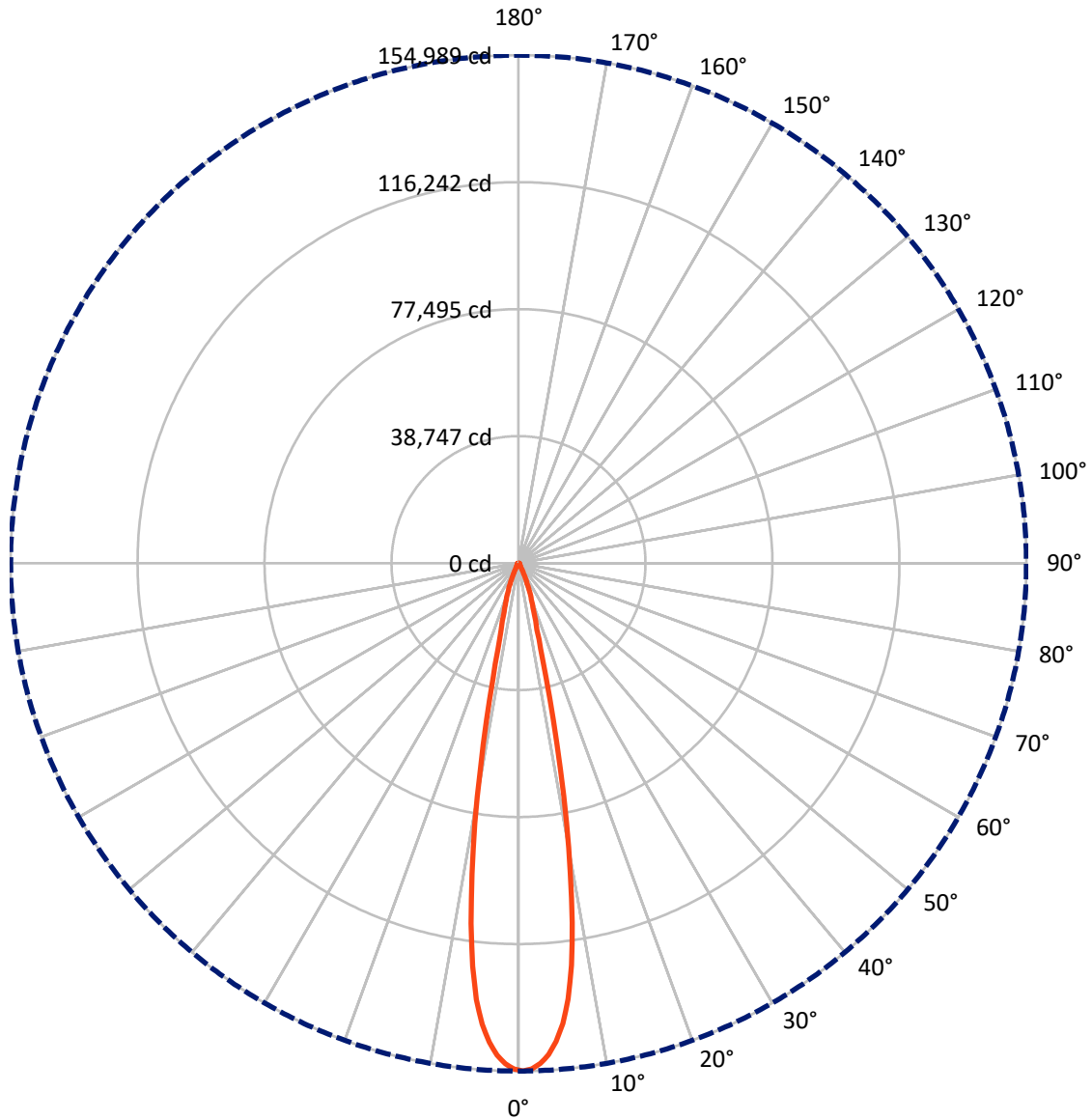
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 248 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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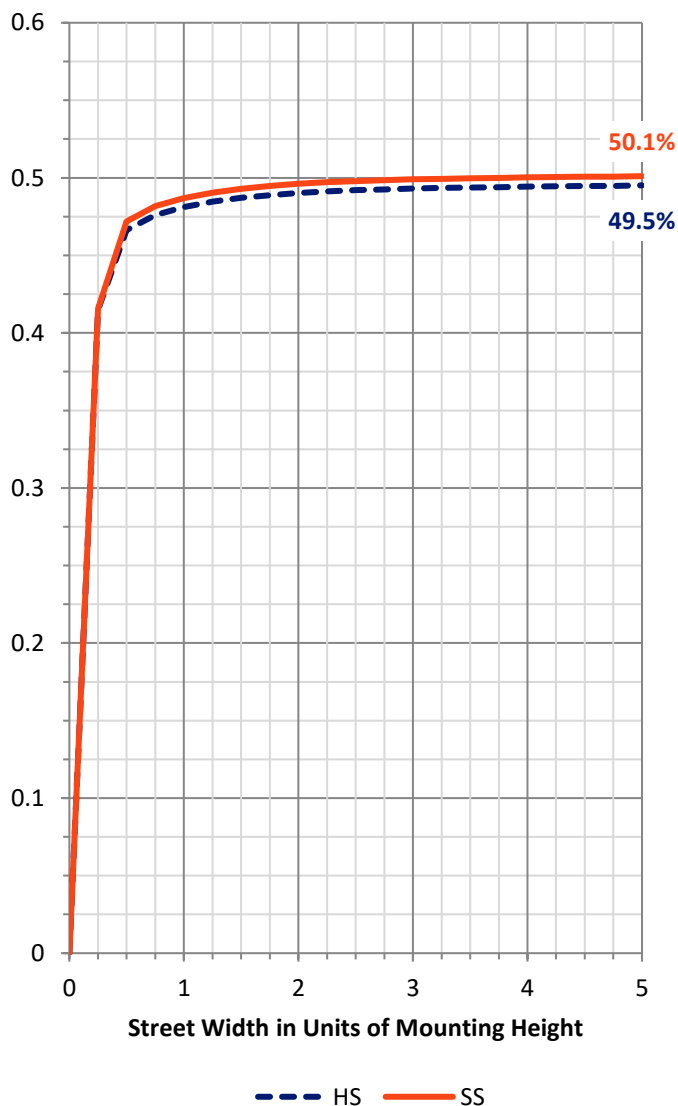
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11505.5	0.0	11505.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11505.5	0.0	11505.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23011.0	0.0	23011.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11539.7	50.1
10°-20°	7590.5	33.0
20°-30°	2041.7	8.9
30°-40°	507.3	2.2
40°-50°	378.6	1.6
50°-60°	348.1	1.5
60°-70°	319.3	1.4
70°-80°	206.5	0.9
80°-90°	79.3	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°	23011.0	100.0
0°-180°	23011.0	100.0

Coefficient of Utilization



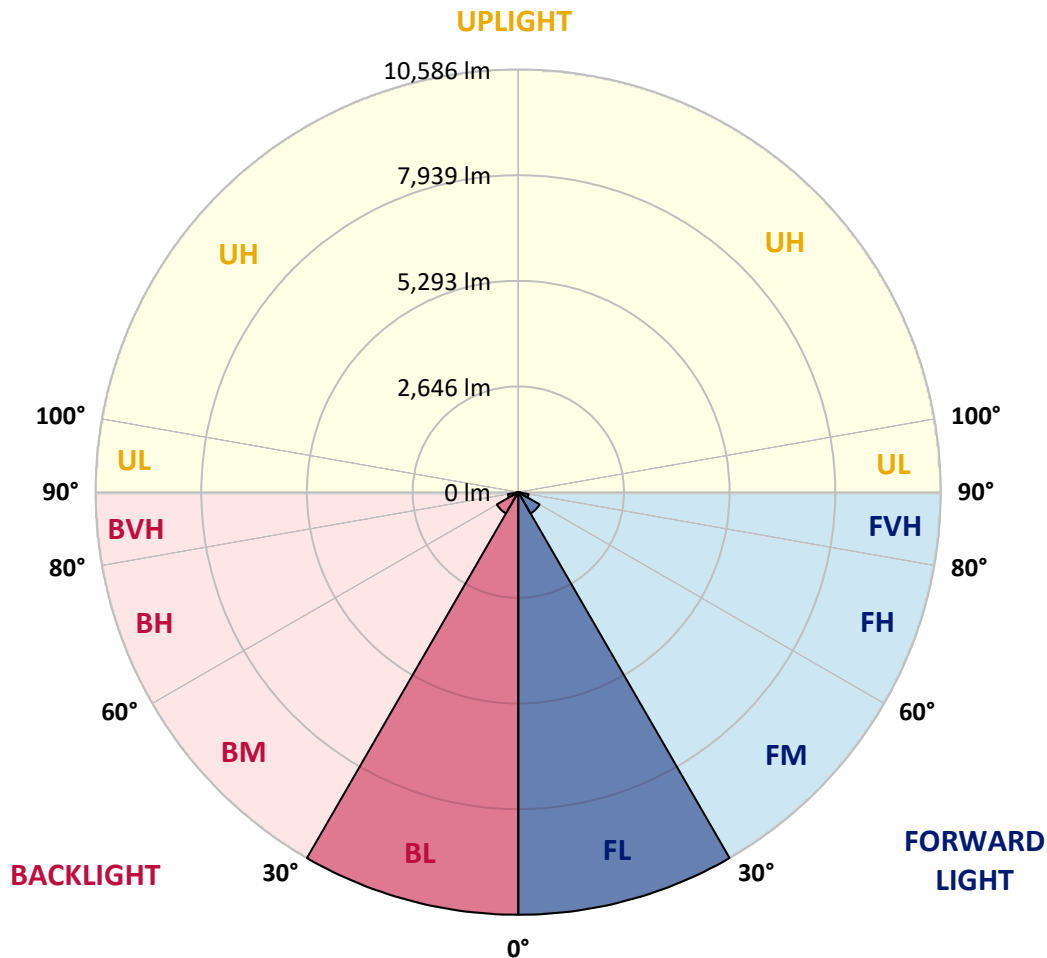
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	10586.0	46.0			
FM (30°-60°)	617.0	2.7			
FH (60°-80°)	262.9	1.1			G0/660
FVH (80°-90°)	39.6	0.2			G1/100
BL (0°-30°)	10586.0	46.0	B5		
BM (30°-60°)	617.0	2.7	B1/1000		
BH (60°-80°)	262.9	1.1	B1/500		G0/660
BVH (80°-90°)	39.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°
0°	154989.2
1°	154382.6
2°	152854.4
3°	150252.1
4°	146460.4
5°	141181.1
6°	133811.2
7°	123723.6
8°	110932.1
9°	95846.6
10°	80547.6
11°	64113.5
12°	48858.5
13°	36104.3
14°	27019.8
15°	21161.1
17.5°	14184.2
20°	10253.5
22.5°	6760.0
25°	3967.9
27.5°	2226.2
30°	1243.6
32.5°	908.1
35°	769.2
37.5°	677.7
40°	596.4
42.5°	535.4
45°	481.2
47.5°	443.9
50°	413.4
52.5°	396.5
55°	386.3
57.5°	379.5
60°	369.3
62.5°	349.0
65°	325.3
67.5°	298.2
70°	264.3
72.5°	227.0
75°	193.1
77.5°	162.6
80°	135.5
82.5°	108.4
85°	81.3
87.5°	33.9



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)