

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: P525941

Luminaire Tested: **IFLD-S-SA3D-940-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525941
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-940-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (48) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

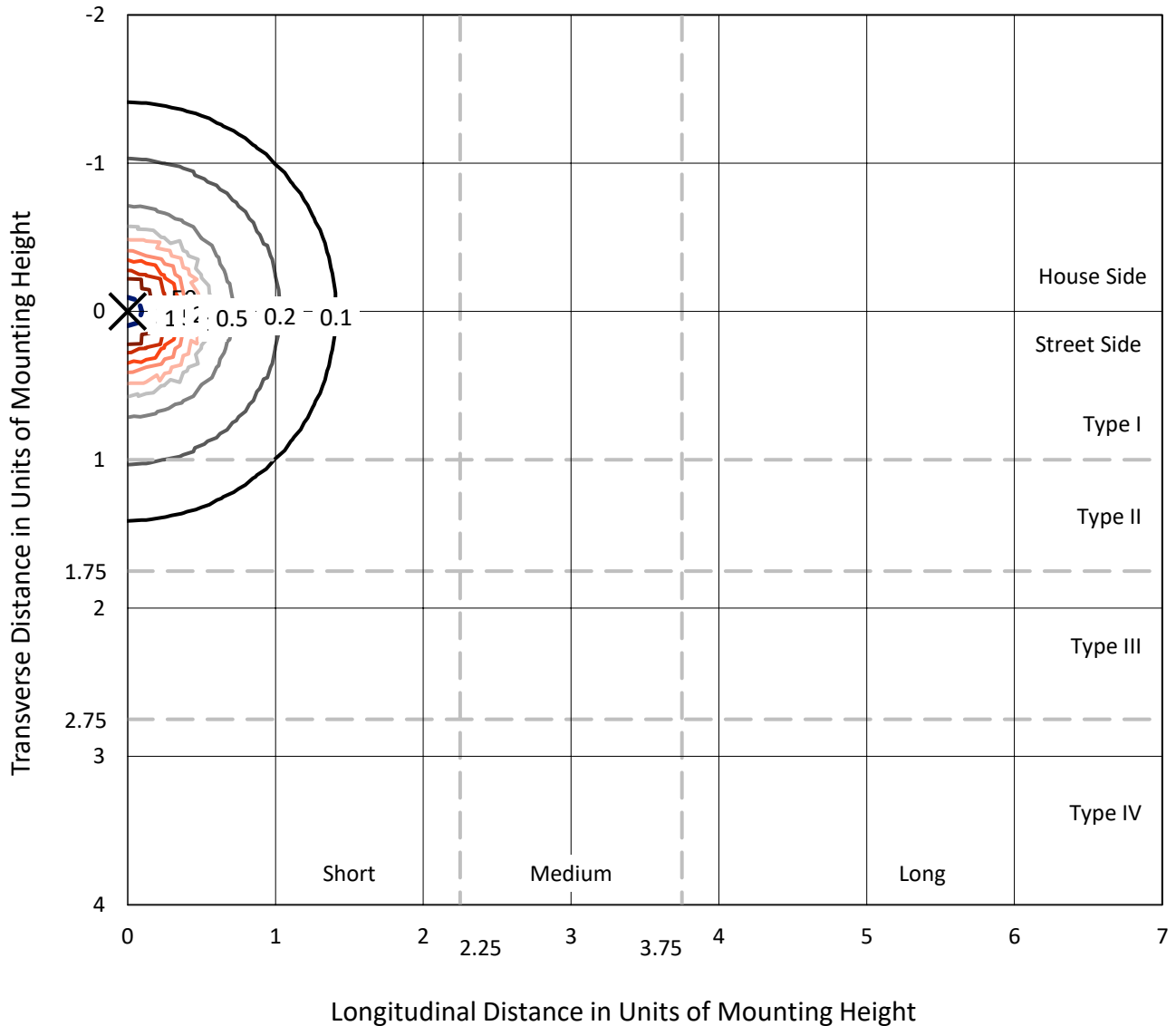
Lumens per Lamp: N/A
Luminaire Lumens: 17207.2 lumens
Efficiency: N/A
Efficacy: 93.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 184.1
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

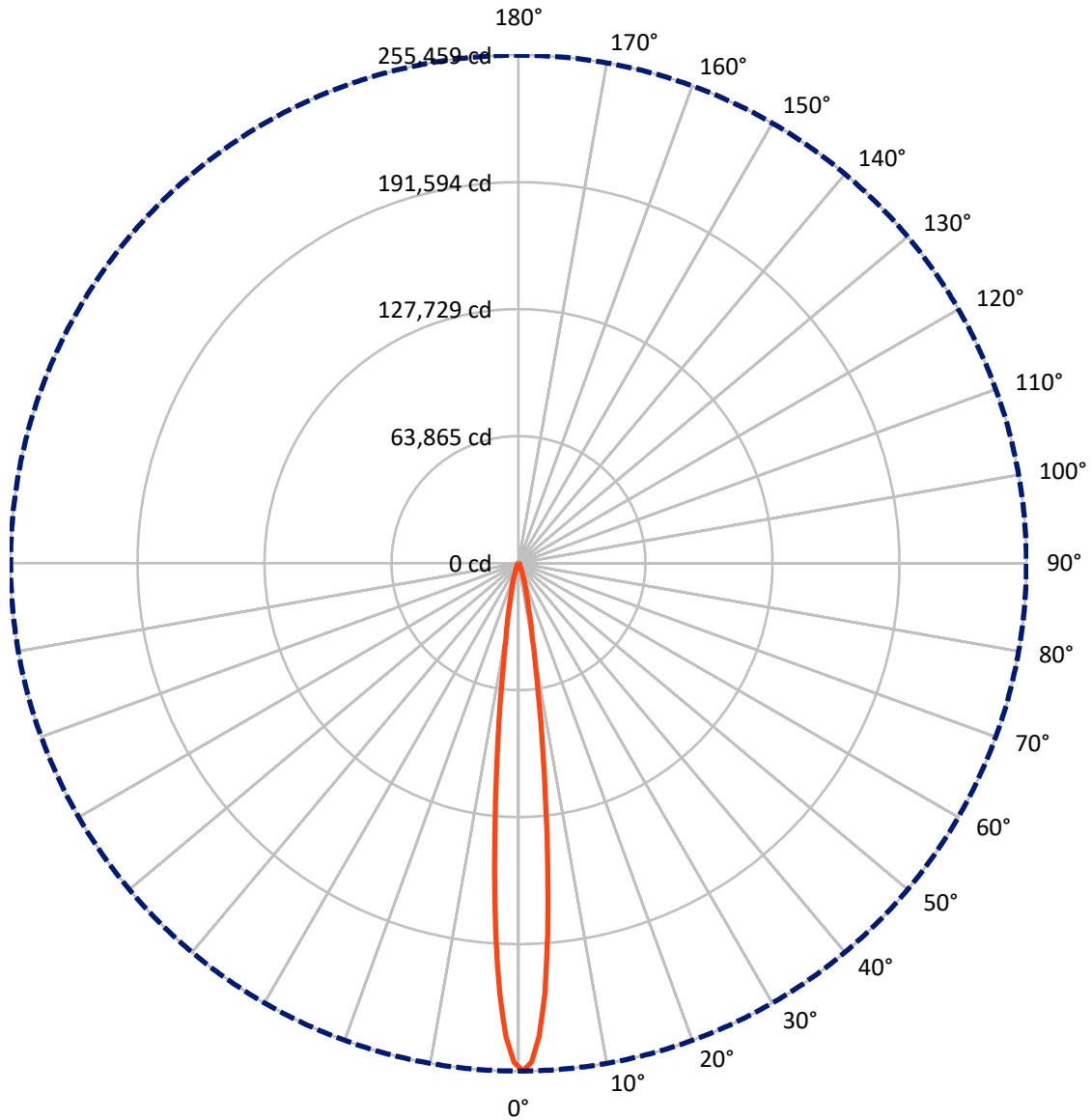
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 408.7 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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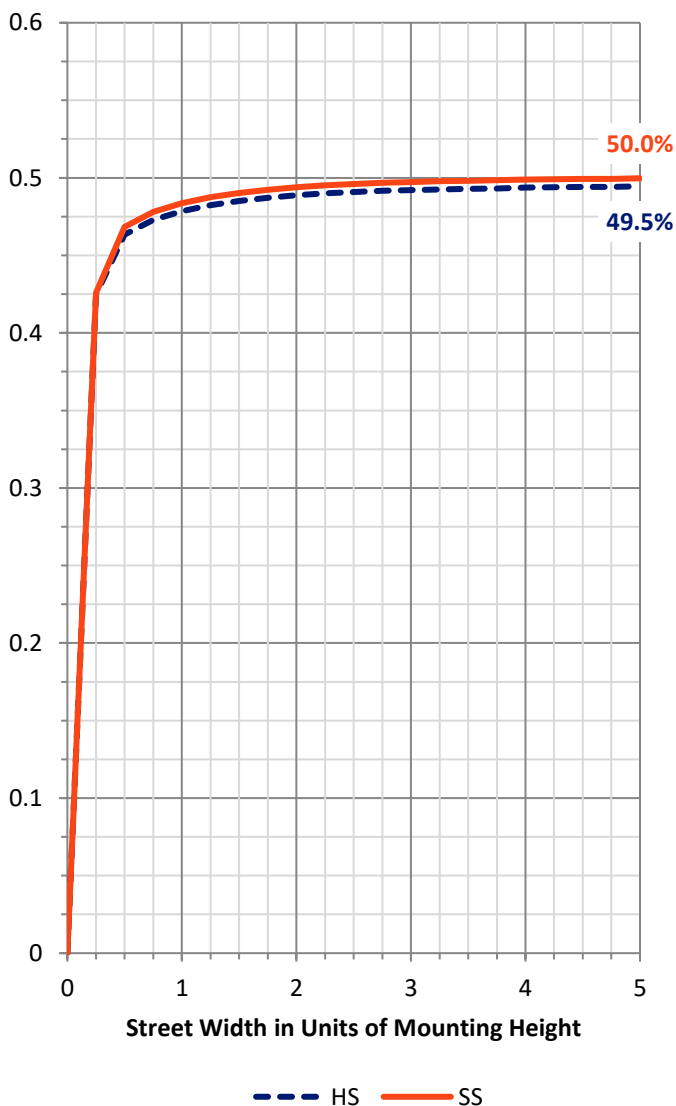
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8603.6	0.0	8603.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8603.6	0.0	8603.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	17207.2	0.0	17207.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10558.0	61.4
10°-20°	4201.2	24.4
20°-30°	968.7	5.6
30°-40°	367.8	2.1
40°-50°	300.2	1.7
50°-60°	288.2	1.7
60°-70°	276.2	1.6
70°-80°	182.8	1.1
80°-90°	64.2	0.4
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°	17207.2	100.0
0°-180°	17207.2	100.0

Coefficient of Utilization



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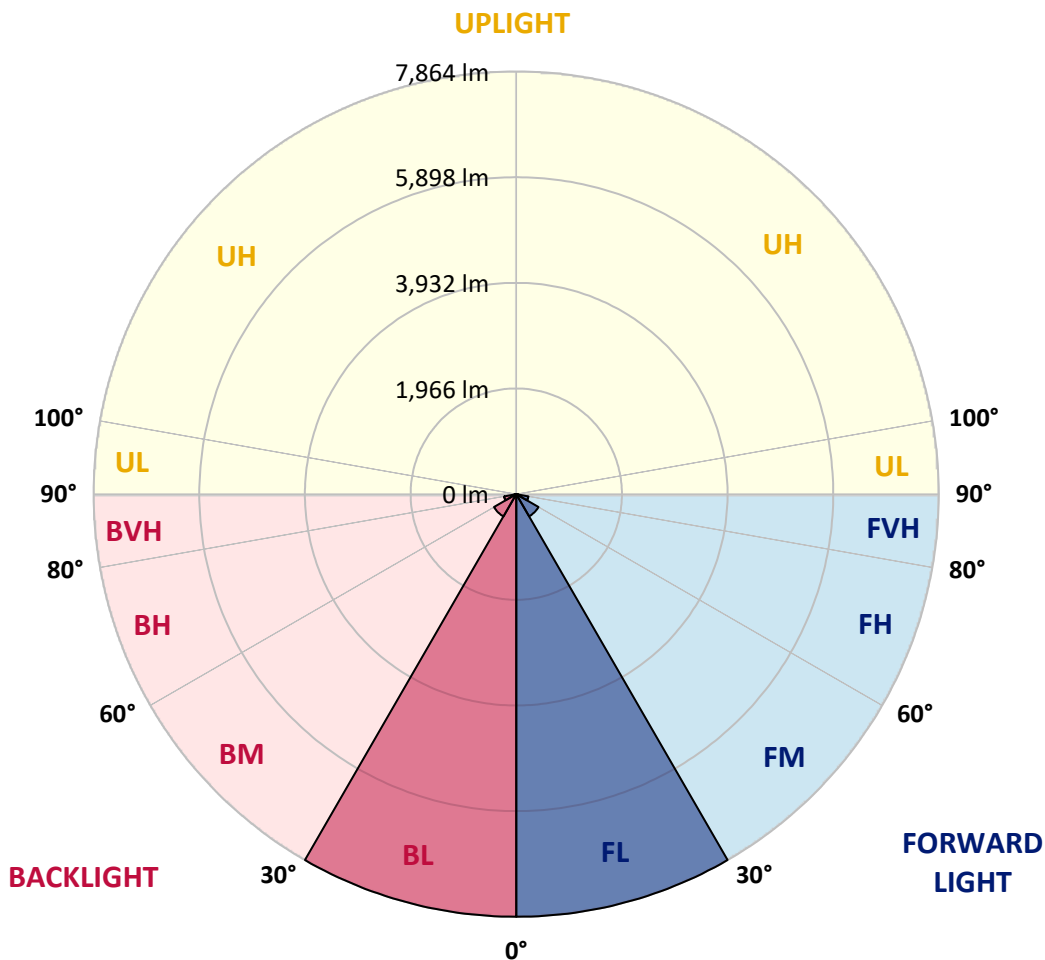
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7863.9	45.7			
FM (30°-60°)	478.1	2.8			
FH (60°-80°)	229.5	1.3			G0/660
FVH (80°-90°)	32.1	0.2			G1/100
BL (0°-30°)	7863.9	45.7	B5		
BM (30°-60°)	478.1	2.8	B1/1000		
BH (60°-80°)	229.5	1.3	B1/500		G0/660
BVH (80°-90°)	32.1	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°	255458.8
1°	250964.9
2°	238376.9
3°	216755.6
4°	187027.6
5°	153507.5
6°	120684.3
7°	92450.9
8°	69001.8
9°	51445.2
10°	38364.9
12.5°	20909.3
15°	13416.1
17.5°	9053.5
20°	5382.6
22.5°	2994.3
25°	1711.7
27.5°	1085.6
30°	782.6
32.5°	638.7
35°	568.1
37.5°	527.7
40°	474.6
42.5°	421.6
45°	376.2
47.5°	353.5
50°	338.3
52.5°	328.2
55°	320.6
57.5°	315.6
60°	305.5
62.5°	297.9
65°	282.8
67.5°	262.6
70°	237.3
72.5°	204.5
75°	171.7
77.5°	141.4
80°	113.6
82.5°	88.4
85°	65.6
87.5°	25.2
90°	0.0

(END OF REPORT)