

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: P525970

Luminaire Tested: **IFLD-L-SA8C-940-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525970
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8C-940-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (128) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

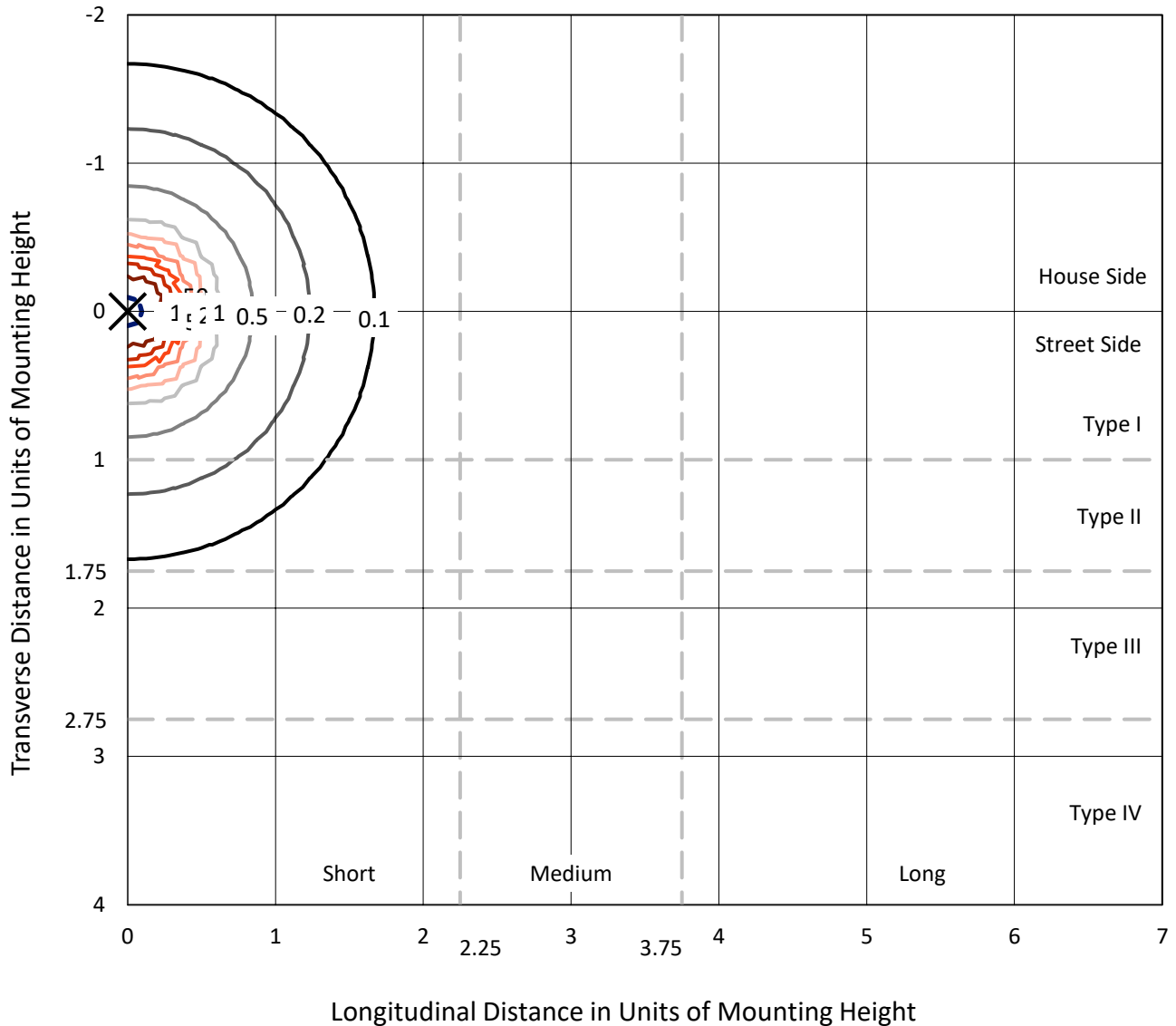
Lumens per Lamp: N/A
Luminaire Lumens: 36794.1 lumens
Efficiency: N/A
Efficacy: 87.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 420.3
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

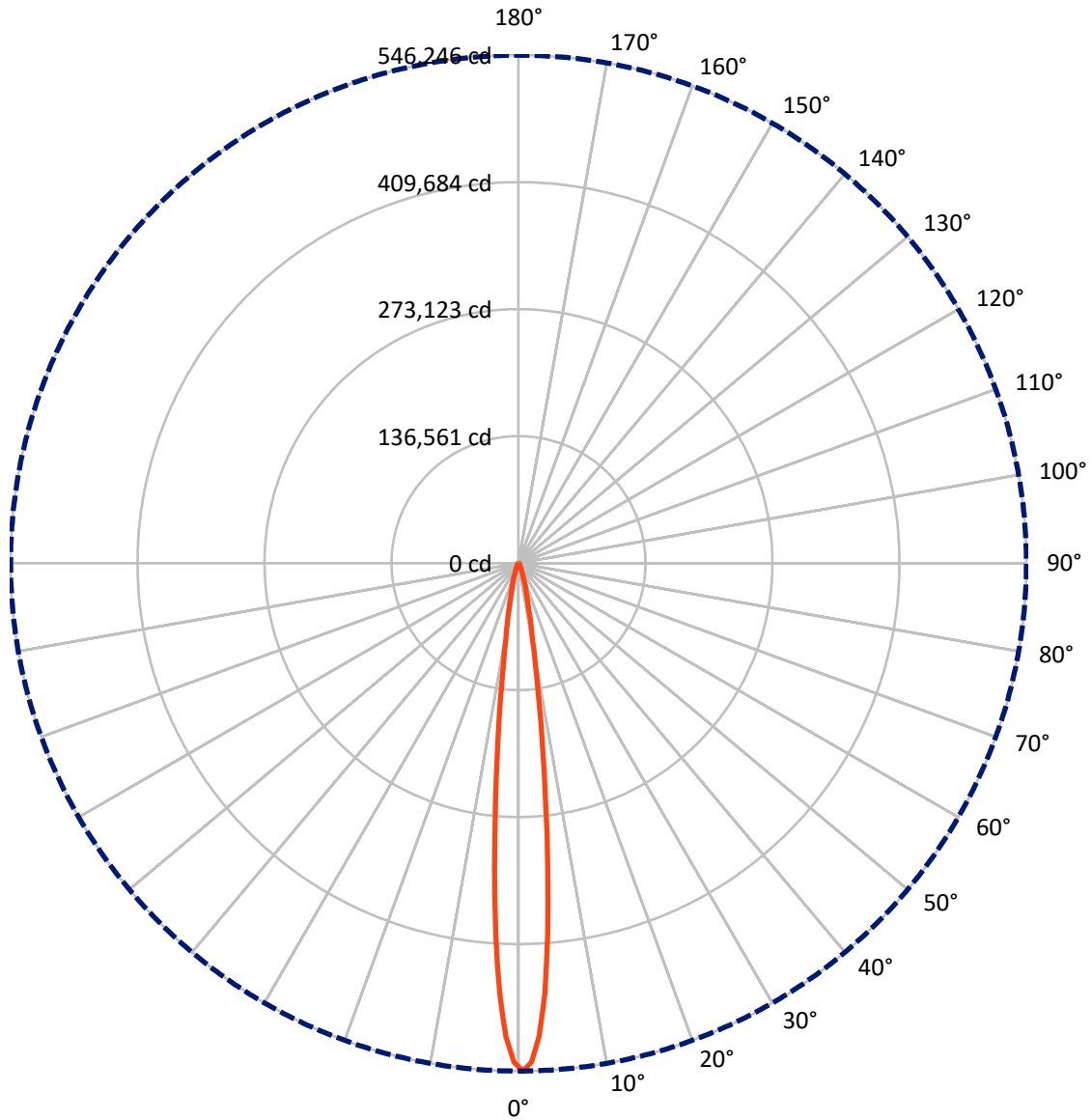
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 606.9 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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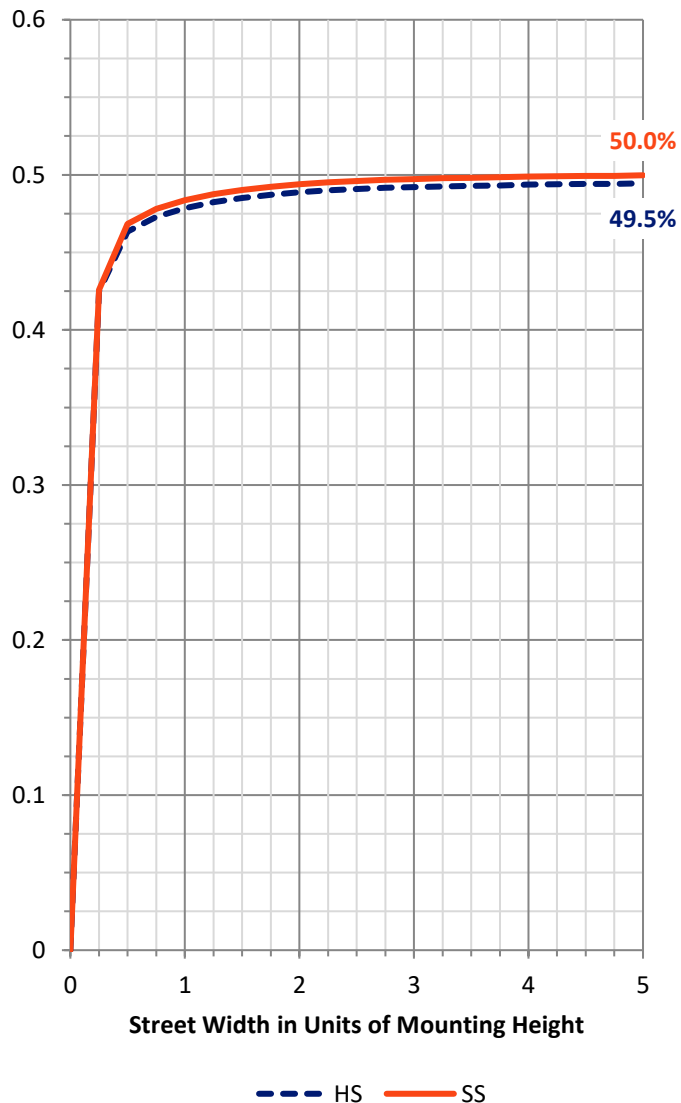
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18397.0	0.0	18397.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18397.0	0.0	18397.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	36794.1	0.0	36794.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22576.1	61.4
10°-20°	8983.3	24.4
20°-30°	2071.3	5.6
30°-40°	786.4	2.1
40°-50°	641.8	1.7
50°-60°	616.4	1.7
60°-70°	590.5	1.6
70°-80°	390.9	1.1
80°-90°	137.4	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°	36794.1	100.0
0°-180°	36794.1	100.0

Coefficient of Utilization



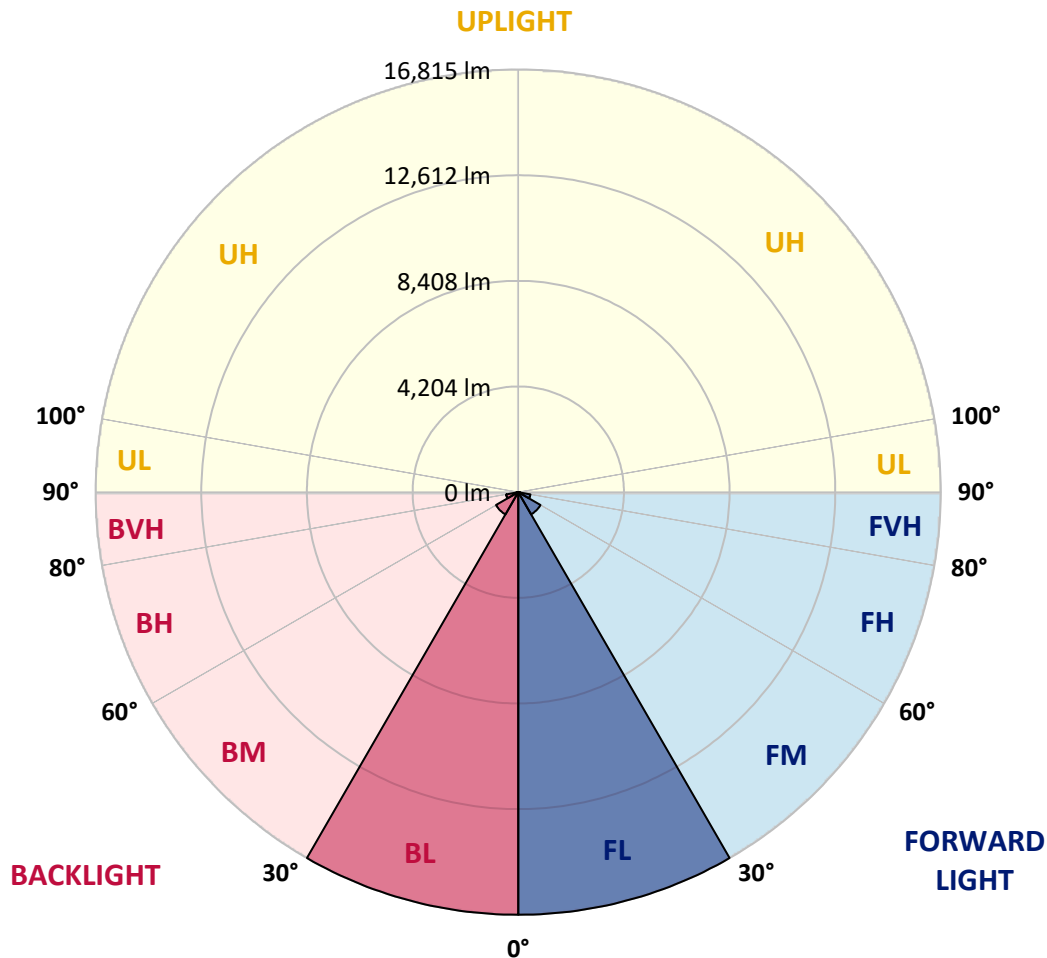
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16815.4	45.7			
FM (30°-60°)	1022.3	2.8			
FH (60°-80°)	490.7	1.3			G0/660
FVH (80°-90°)	68.7	0.2			G1/100
BL (0°-30°)	16815.4	45.7	B5		
BM (30°-60°)	1022.3	2.8	B2/2500		
BH (60°-80°)	490.7	1.3	B1/500		G0/660
BVH (80°-90°)	68.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°
0°	546245.5
1°	536636.2
2°	509719.4
3°	463486.7
4°	399919.6
5°	328244.0
6°	258058.3
7°	197687.0
8°	147545.9
9°	110004.9
10°	82035.3
12.5°	44710.2
15°	28687.5
17.5°	19359.0
20°	11509.6
22.5°	6402.6
25°	3660.2
27.5°	2321.3
30°	1673.5
32.5°	1365.8
35°	1214.7
37.5°	1128.3
40°	1014.9
42.5°	901.5
45°	804.4
47.5°	755.8
50°	723.4
52.5°	701.8
55°	685.6
57.5°	674.8
60°	653.2
62.5°	637.0
65°	604.6
67.5°	561.4
70°	507.5
72.5°	437.3
75°	367.1
77.5°	302.3
80°	242.9
82.5°	188.9
85°	140.4
87.5°	54.0
90°	0.0

(END OF REPORT)