

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: P525446

Luminaire Tested: **IFLD-S-SA6A-927-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525446
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-927-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (96) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17565.7 lumens
Efficiency: N/A
Efficacy: 92.6 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): 189.6
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

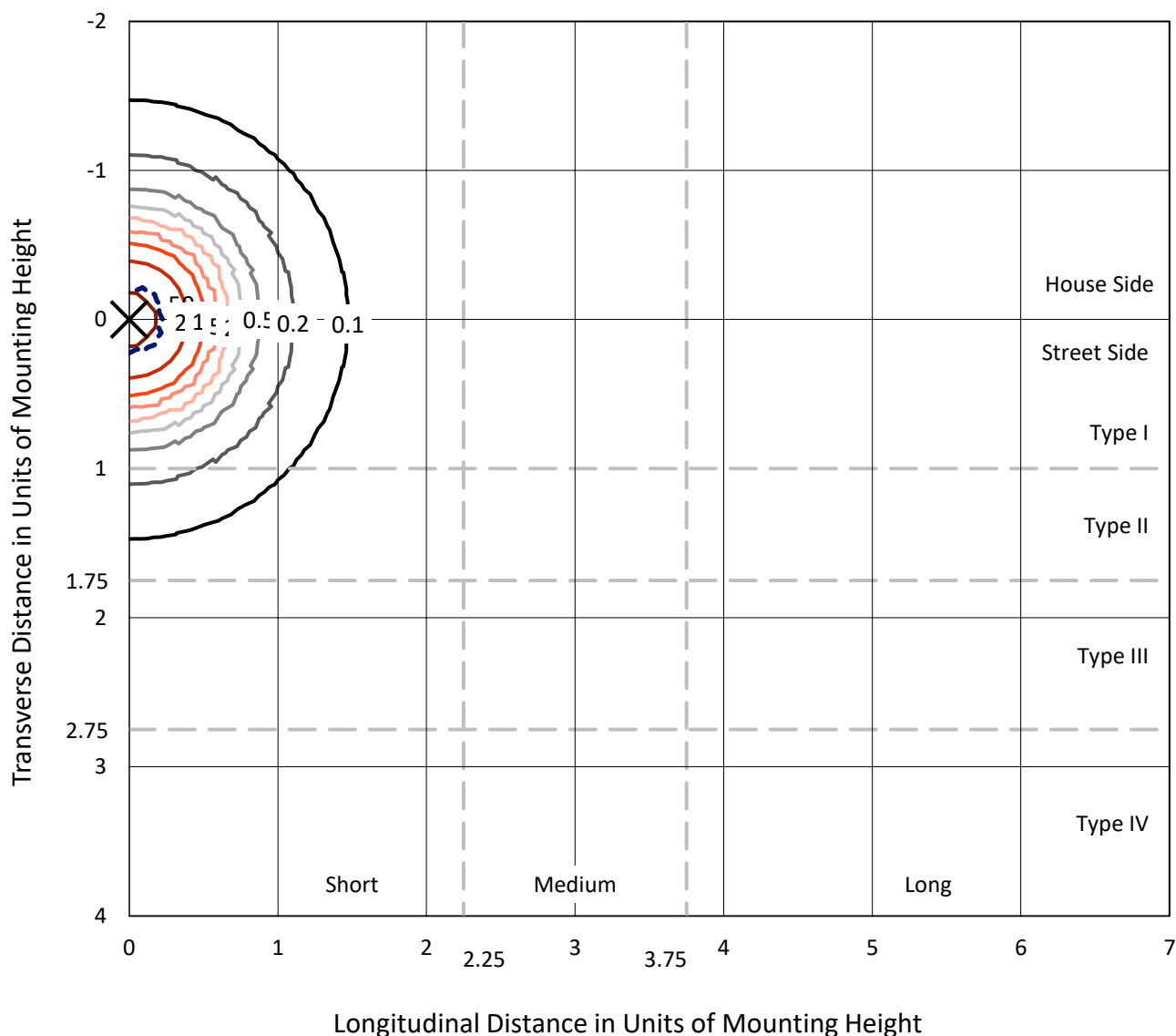
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

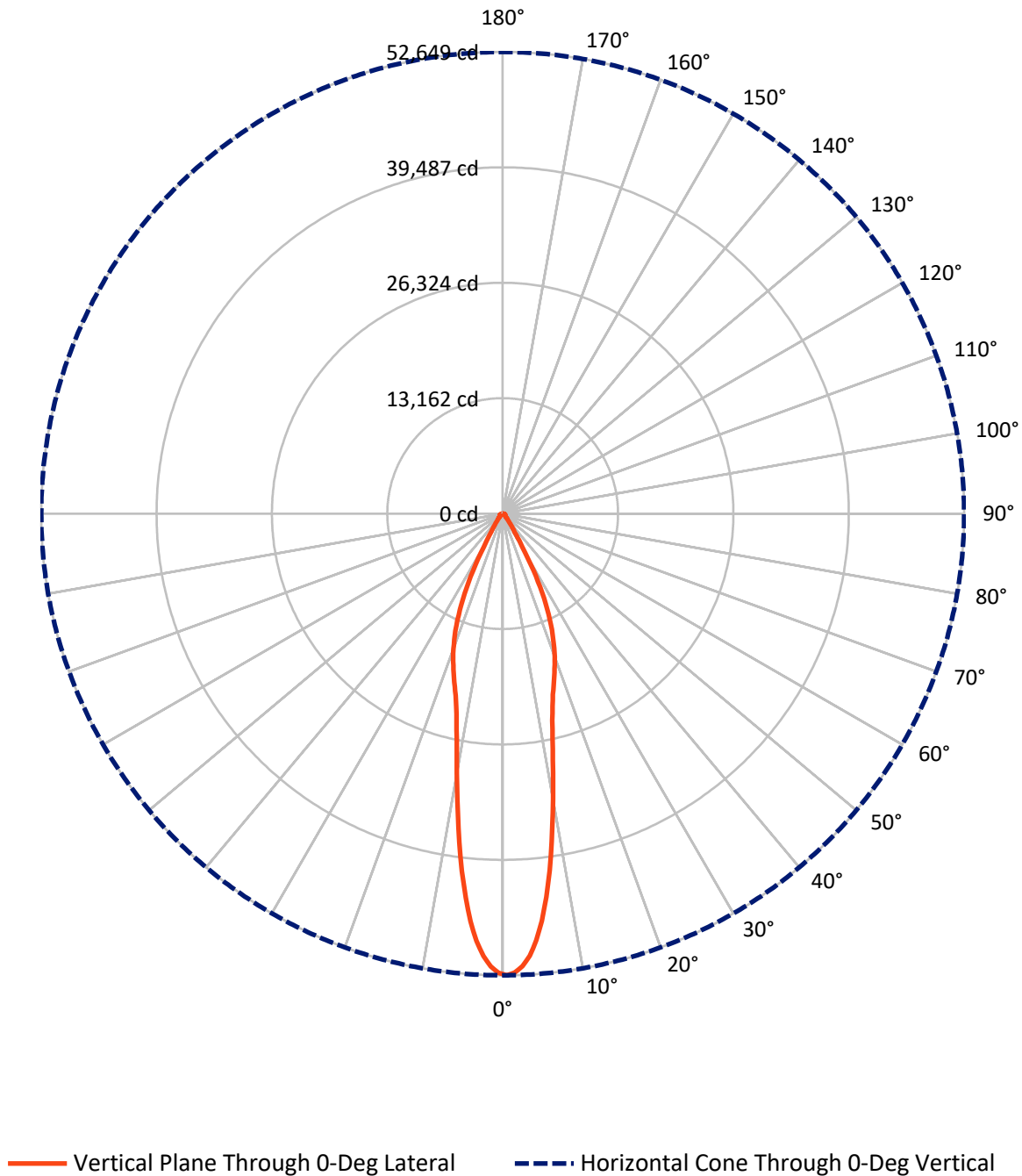


Based on 25 foot mounting height. Maximum calculated value = 84.2 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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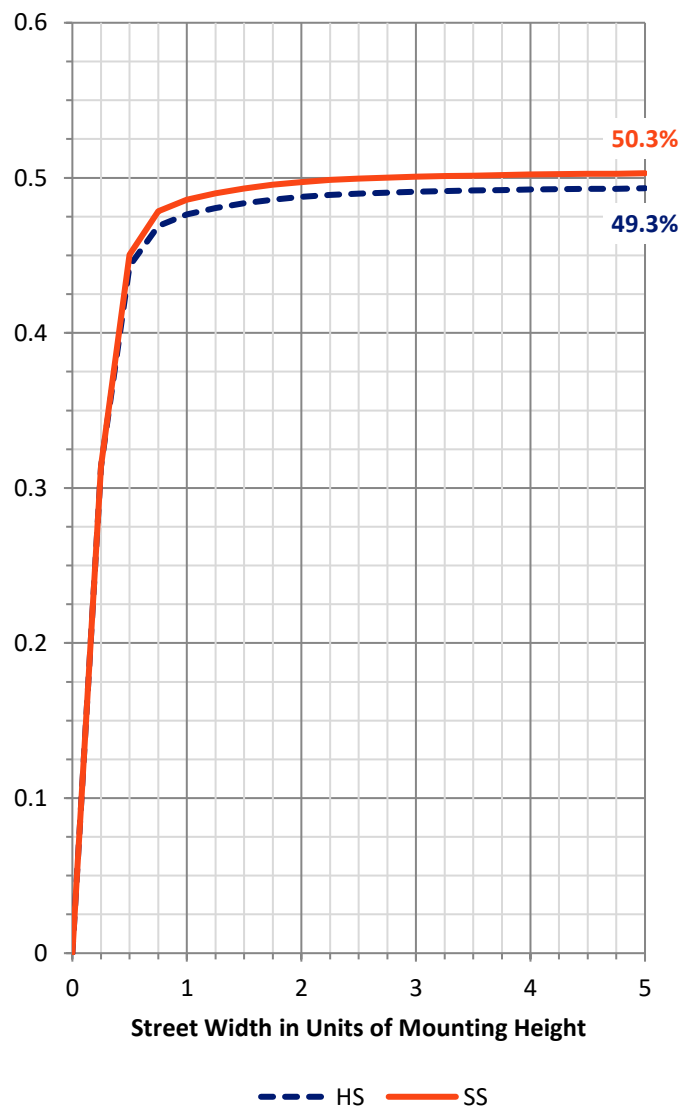
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8782.9	0.0	8782.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8782.9	0.0	8782.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	17565.7	0.0	17565.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3941.1	22.4
10°-20°	6146.4	35.0
20°-30°	4980.7	28.4
30°-40°	1208.8	6.9
40°-50°	406.8	2.3
50°-60°	321.5	1.8
60°-70°	320.7	1.8
70°-80°	177.0	1.0
80°-90°	62.8	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°	17565.7	100.0
0°-180°	17565.7	100.0

Coefficient of Utilization



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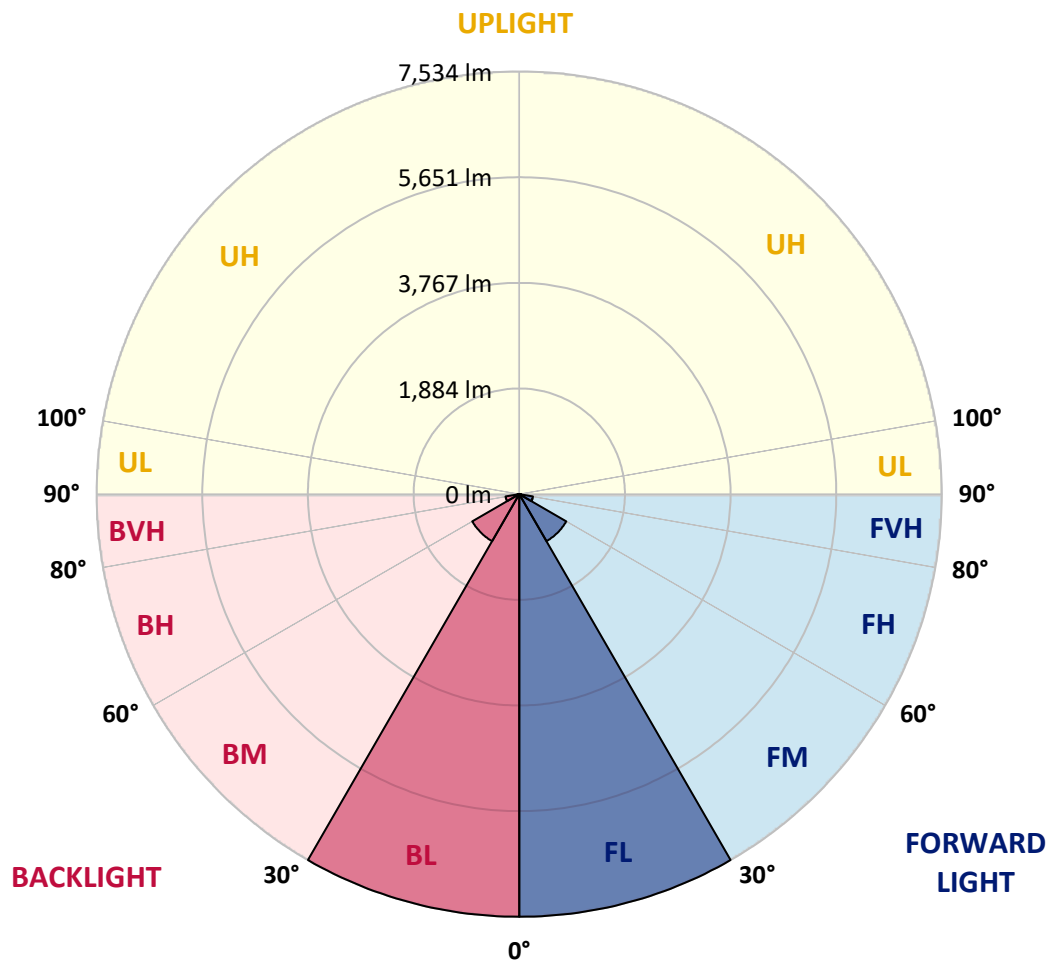
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	7534.1	42.9			
FM	(30°-60°)	968.6	5.5			
FH	(60°-80°)	248.8	1.4			G0/660
FVH	(80°-90°)	31.4	0.2			G1/100
BL	(0°-30°)	7534.1	42.9	B5		
BM	(30°-60°)	968.6	5.5	B1/1000		
BH	(60°-80°)	248.8	1.4	B1/500		G0/660
BVH	(80°-90°)	31.4	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°	52648.7
1°	52374.7
2°	51670.3
3°	50502.4
4°	48824.8
5°	46660.6
6°	44009.7
7°	41046.3
8°	37829.4
9°	34592.0
10°	31495.5
11°	28708.9
12°	26268.0
13°	24262.6
14°	22664.4
15°	21406.8
17.5°	19078.6
20°	16911.8
22.5°	14373.6
25°	11425.7
27.5°	8065.3
30°	4382.3
32.5°	2520.3
35°	1682.7
37.5°	1147.4
40°	817.0
42.5°	632.6
45°	494.3
47.5°	404.7
50°	371.4
52.5°	353.5
55°	345.8
57.5°	358.6
60°	379.1
62.5°	371.4
65°	330.4
67.5°	284.3
70°	240.8
72.5°	199.8
75°	163.9
77.5°	133.2
80°	107.6
82.5°	87.1
85°	66.6
87.5°	23.1

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)