

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: P525844

Luminaire Tested: **IFLD-M-SA4D-927-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525844
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-927-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (64) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

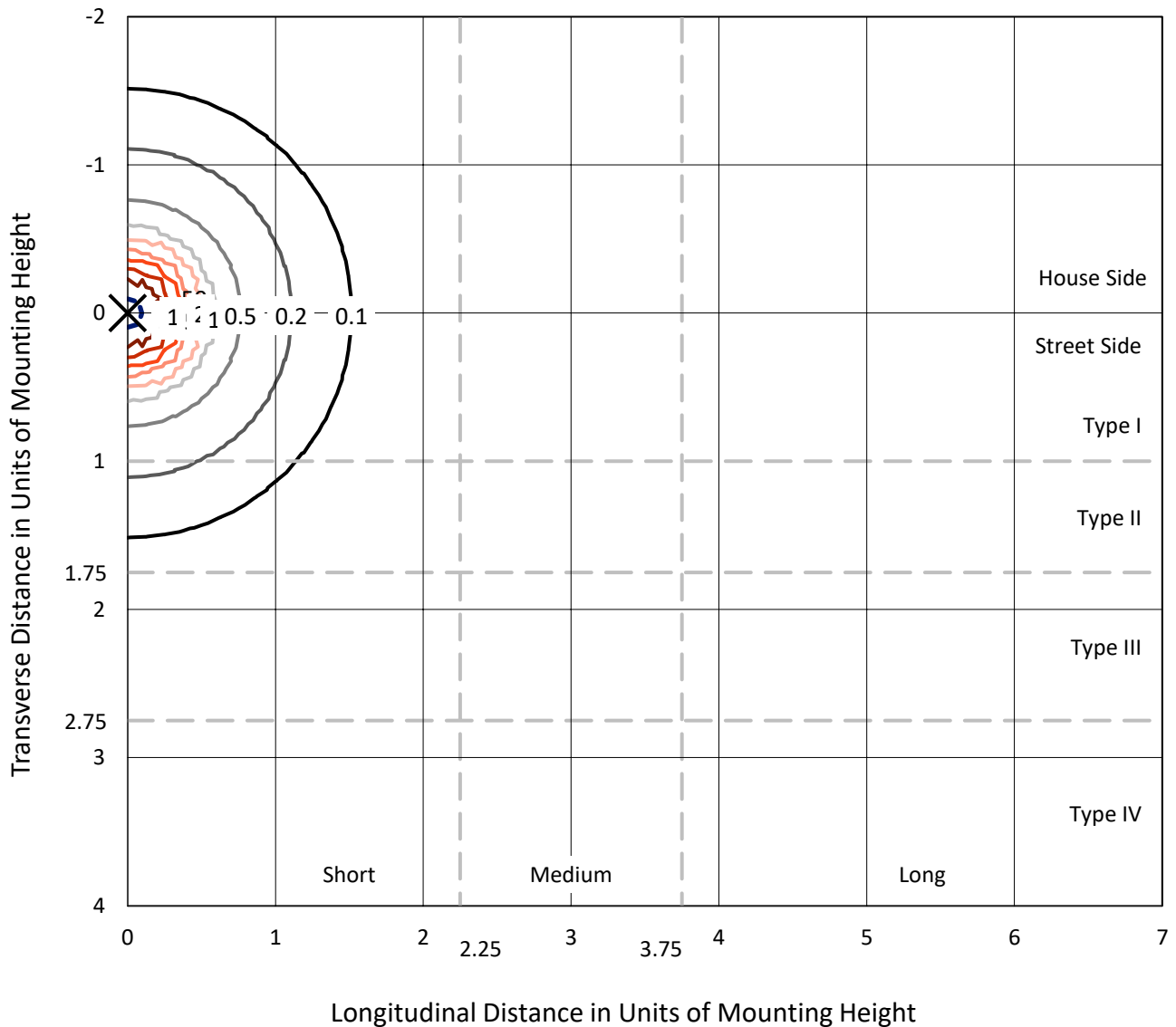
Lumens per Lamp: N/A
Luminaire Lumens: 20234.8 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

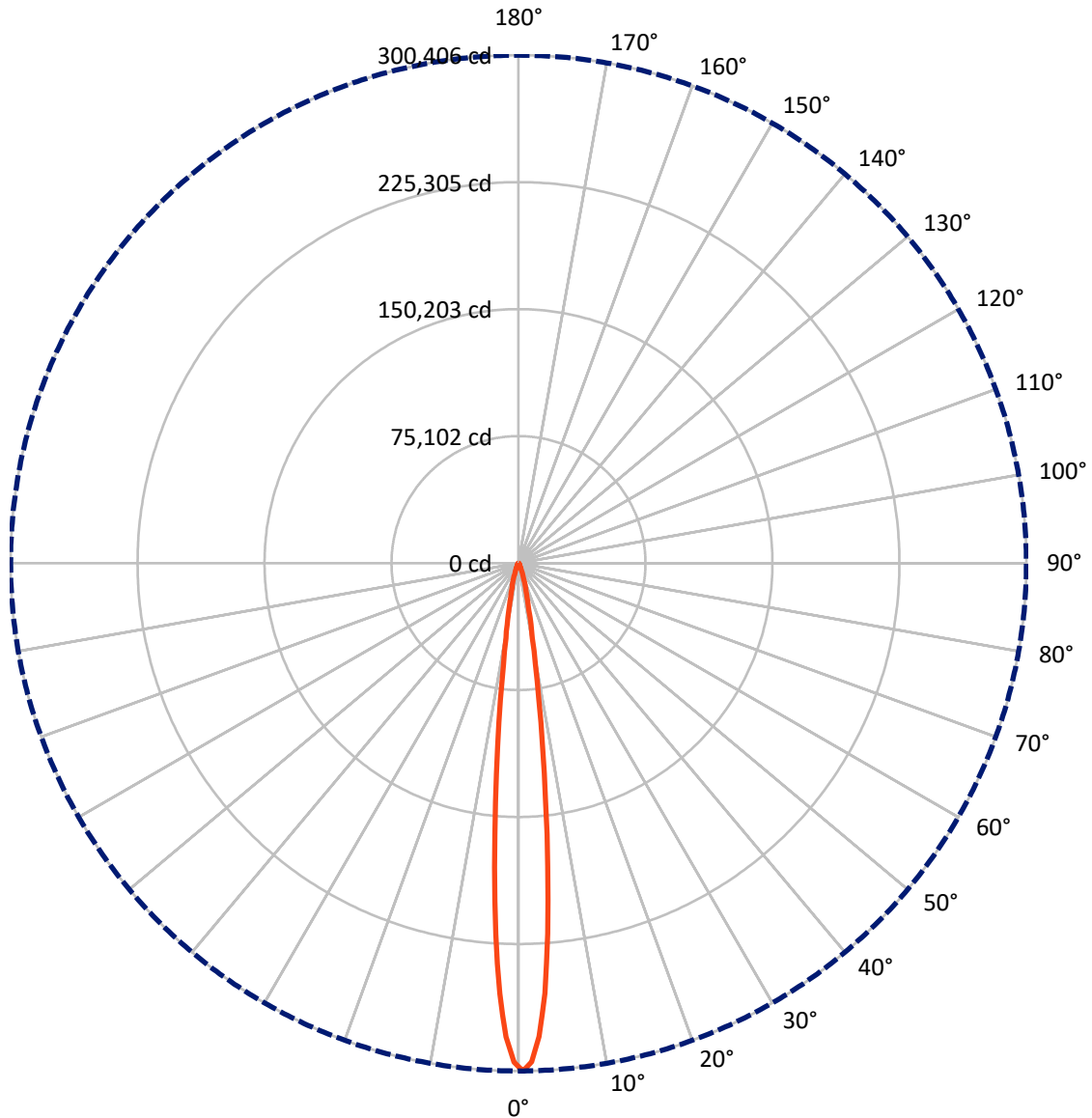
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 480.7 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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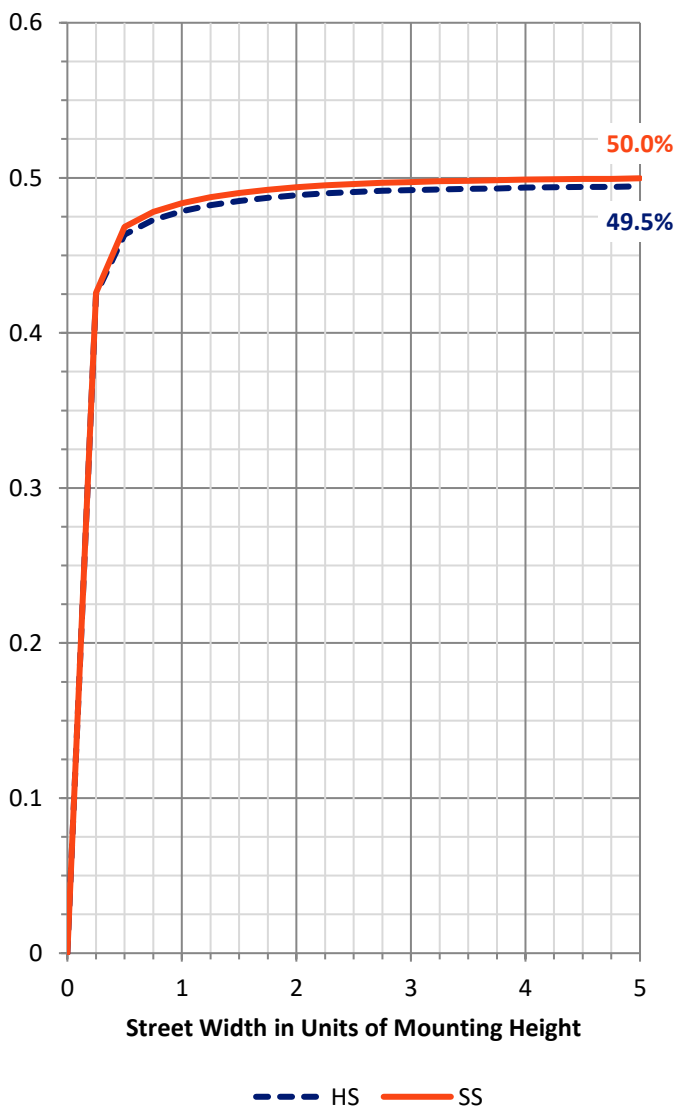
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10117.4	0.0	10117.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10117.4	0.0	10117.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	20234.8	0.0	20234.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12415.7	61.4
10°-20°	4940.4	24.4
20°-30°	1139.1	5.6
30°-40°	432.5	2.1
40°-50°	353.0	1.7
50°-60°	339.0	1.7
60°-70°	324.8	1.6
70°-80°	215.0	1.1
80°-90°	75.5	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°	20234.8	100.0
0°-180°	20234.8	100.0

Coefficient of Utilization



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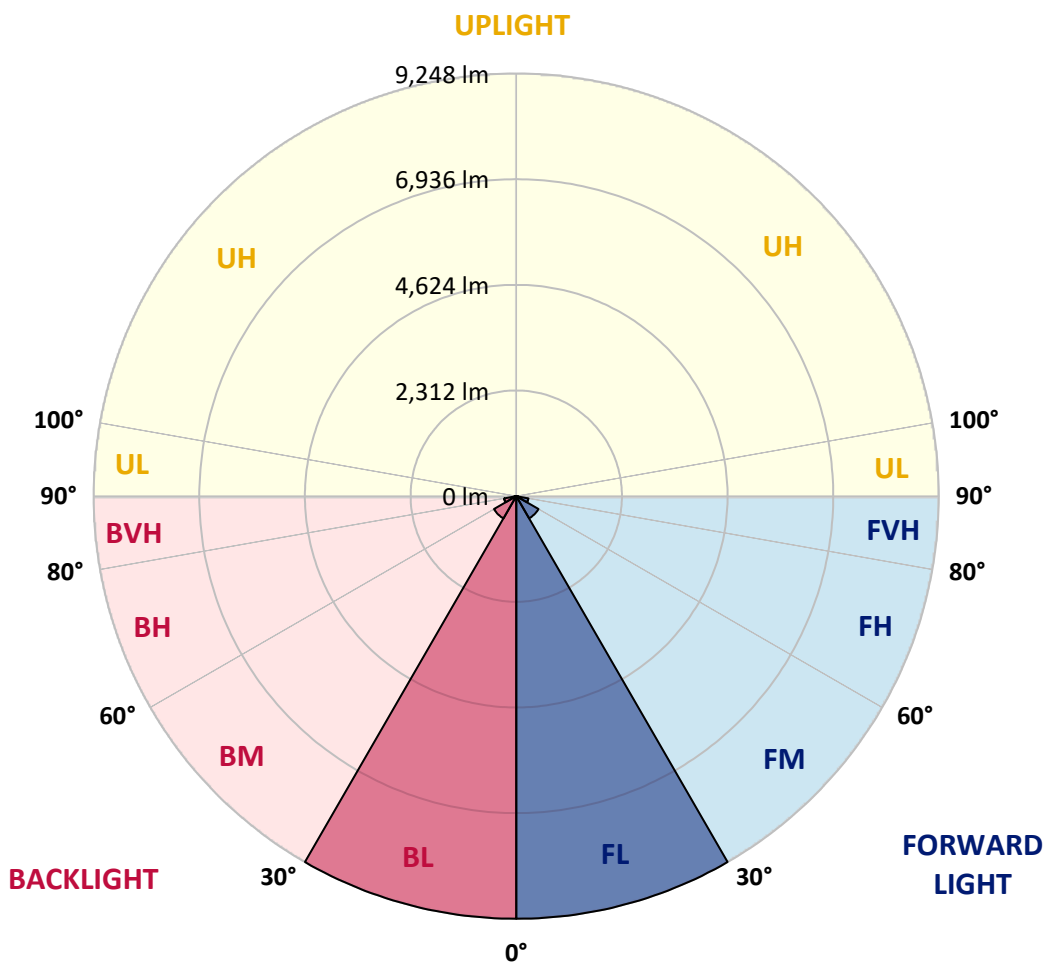
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9247.6	45.7			
FM (30°-60°)	562.2	2.8			
FH (60°-80°)	269.9	1.3			G0/660
FVH (80°-90°)	37.8	0.2			G1/100
BL (0°-30°)	9247.6	45.7	B5		
BM (30°-60°)	562.2	2.8	B1/1000		
BH (60°-80°)	269.9	1.3	B1/500		G0/660
BVH (80°-90°)	37.8	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°	300406.4
1°	295121.8
2°	280319.0
3°	254893.5
4°	219934.9
5°	180517.0
6°	141918.6
7°	108717.5
8°	81142.5
9°	60496.9
10°	45115.1
12.5°	24588.3
15°	15776.6
17.5°	10646.4
20°	6329.7
22.5°	3521.1
25°	2012.9
27.5°	1276.6
30°	920.4
32.5°	751.1
35°	668.0
37.5°	620.5
40°	558.2
42.5°	495.8
45°	442.4
47.5°	415.6
50°	397.8
52.5°	386.0
55°	377.0
57.5°	371.1
60°	359.2
62.5°	350.3
65°	332.5
67.5°	308.8
70°	279.1
72.5°	240.5
75°	201.9
77.5°	166.3
80°	133.6
82.5°	103.9
85°	77.2
87.5°	29.7
90°	0.0

(END OF REPORT)