

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: P525649

Luminaire Tested: **IFLD-M-SA4D-927-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525649
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-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33
distribution lens
Light Source: (64) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

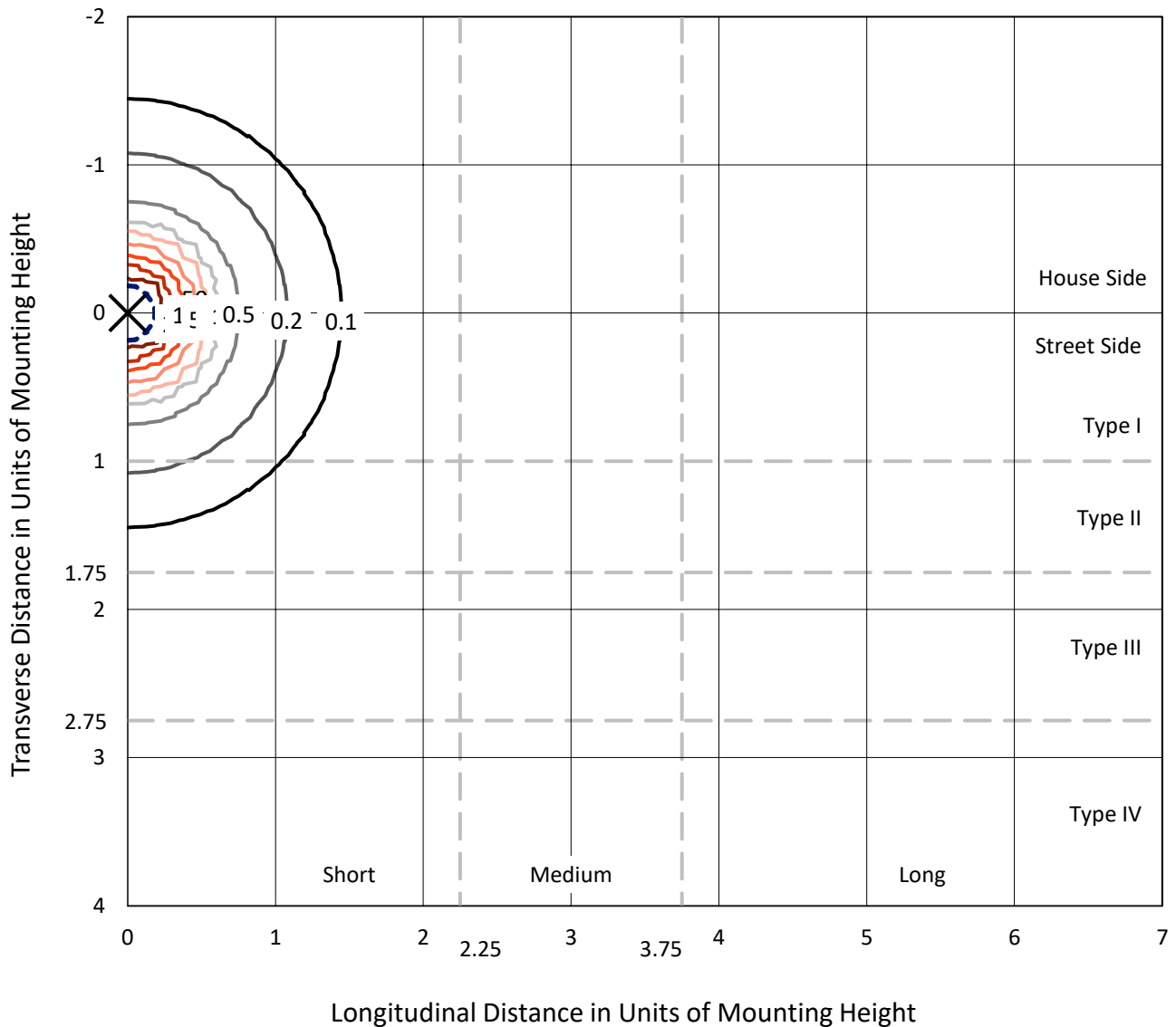
Lumens per Lamp: N/A
Luminaire Lumens: 20159.9 lumens
Efficiency: N/A
Efficacy: 80.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

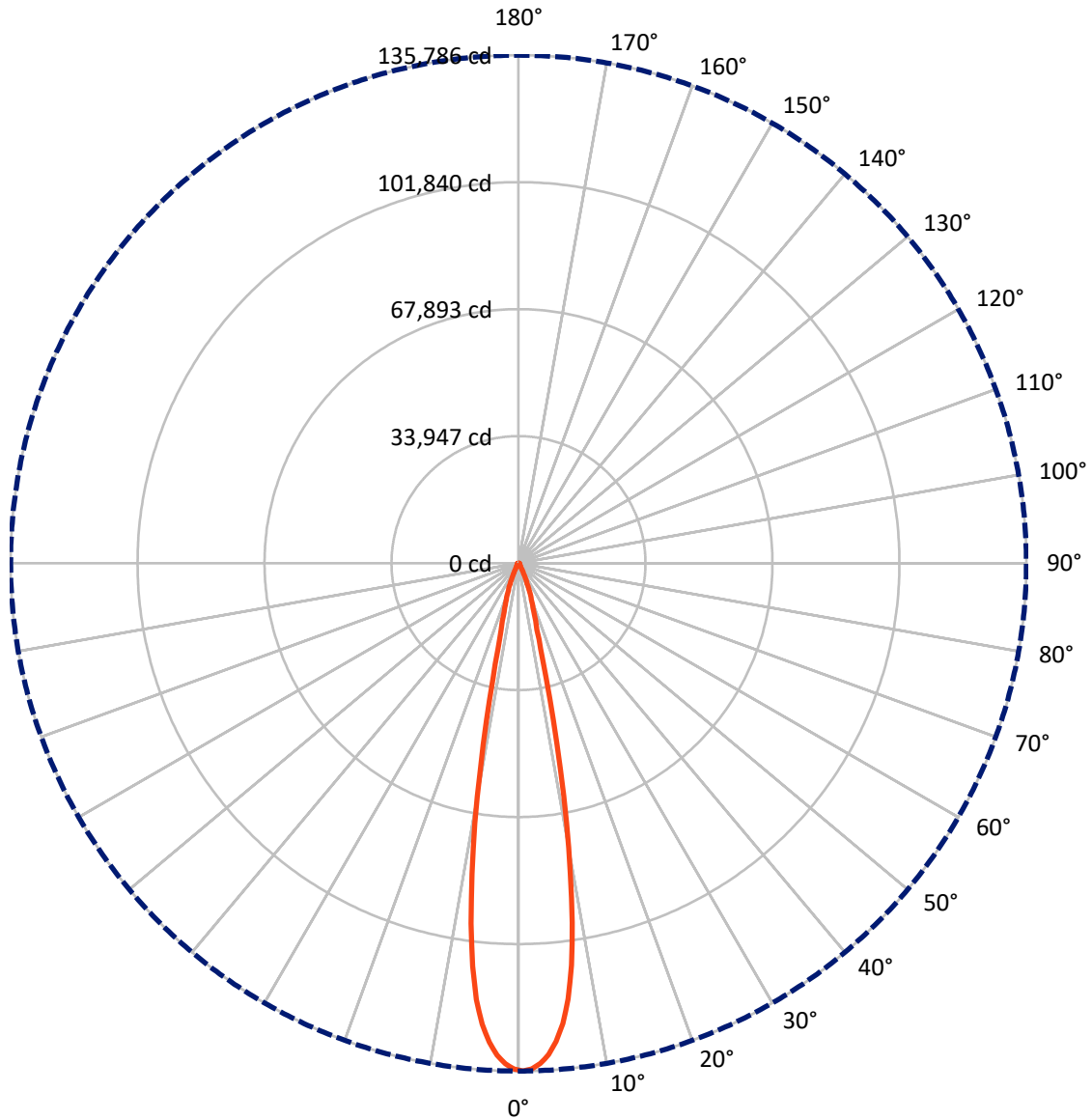
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 217.3 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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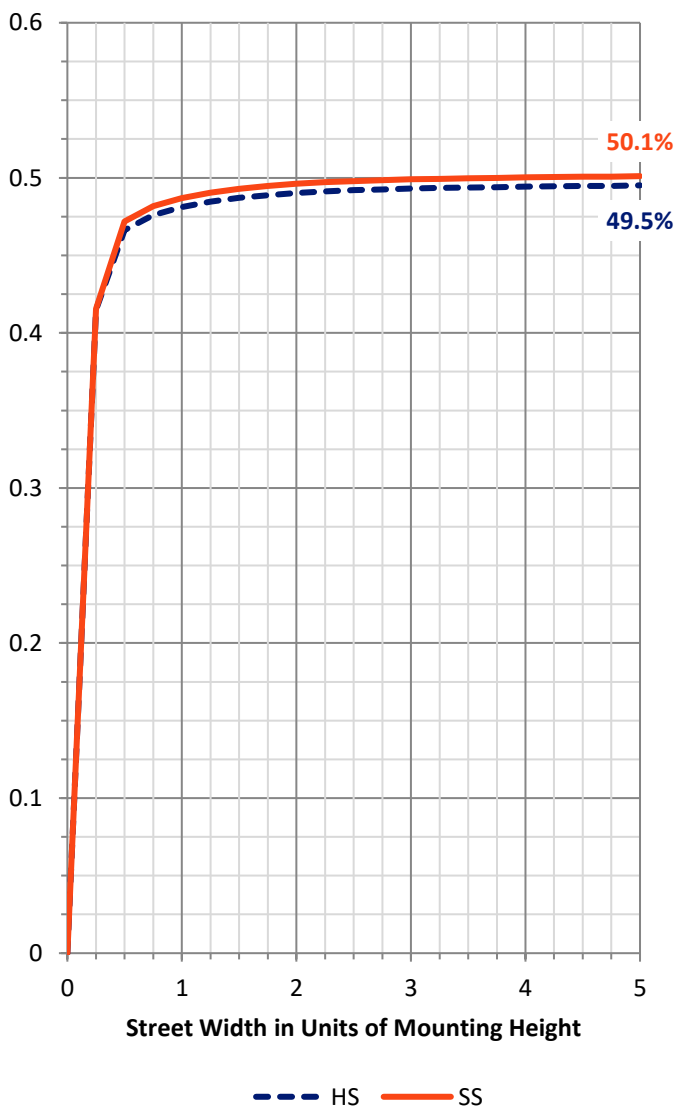
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10080.0	0.0	10080.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10080.0	0.0	10080.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	20159.9	0.0	20159.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10110.0	50.1
10°-20°	6650.0	33.0
20°-30°	1788.7	8.9
30°-40°	444.4	2.2
40°-50°	331.7	1.6
50°-60°	305.0	1.5
60°-70°	279.7	1.4
70°-80°	180.9	0.9
80°-90°	69.5	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°	20159.9	100.0
0°-180°	20159.9	100.0



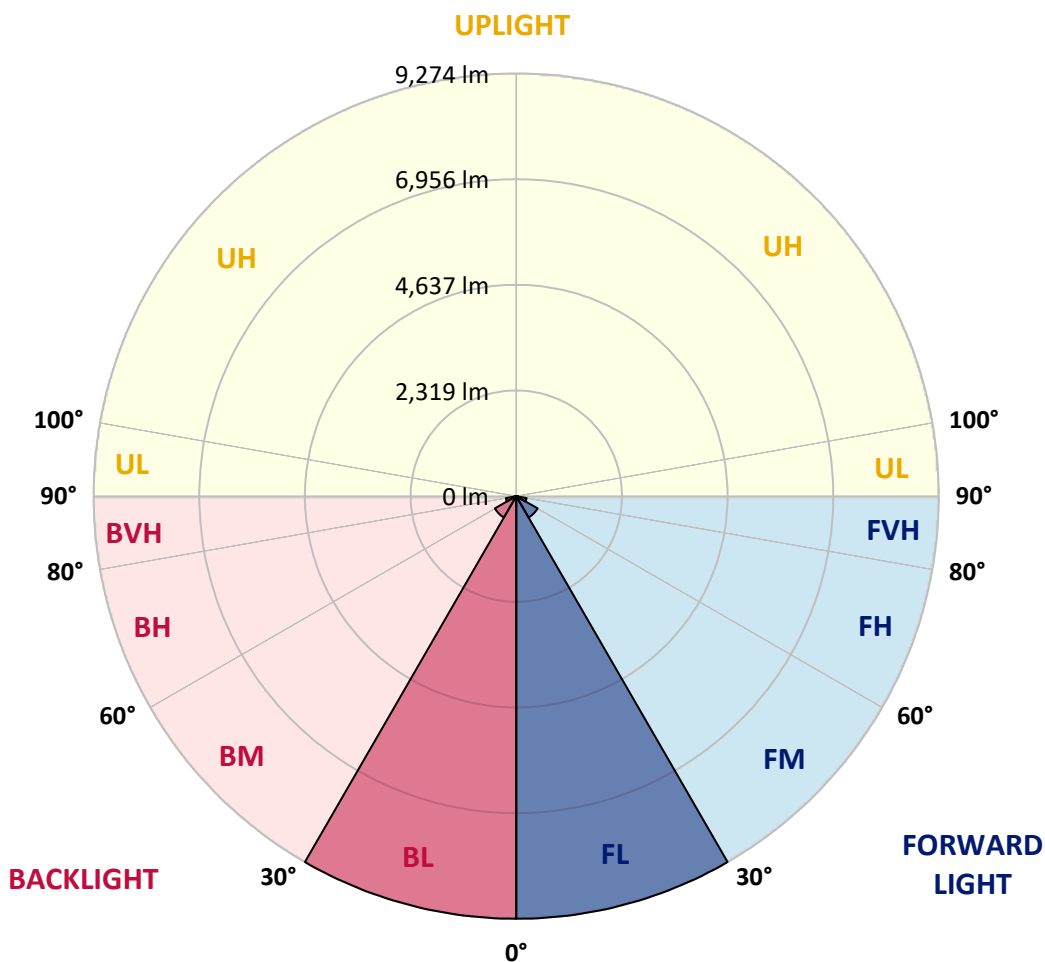
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9274.4	46.0			
FM (30°-60°)	540.5	2.7			
FH (60°-80°)	230.3	1.1			G0/660
FVH (80°-90°)	34.7	0.2			G1/100
BL (0°-30°)	9274.4	46.0	B5		
BM (30°-60°)	540.5	2.7	B1/1000		
BH (60°-80°)	230.3	1.1	B1/500		G0/660
BVH (80°-90°)	34.7	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°	135786.0
1°	135254.6
2°	133915.8
3°	131635.8
4°	128313.9
5°	123688.8
6°	117232.0
7°	108394.3
8°	97187.6
9°	83971.2
10°	70567.8
11°	56169.8
12°	42805.0
13°	31631.0
14°	23672.0
15°	18539.2
17.5°	12426.8
20°	8983.1
22.5°	5922.5
25°	3476.3
27.5°	1950.4
30°	1089.5
32.5°	795.6
35°	673.9
37.5°	593.7
40°	522.5
42.5°	469.0
45°	421.5
47.5°	388.9
50°	362.2
52.5°	347.3
55°	338.4
57.5°	332.5
60°	323.6
62.5°	305.8
65°	285.0
67.5°	261.2
70°	231.6
72.5°	198.9
75°	169.2
77.5°	142.5
80°	118.7
82.5°	95.0
85°	71.2
87.5°	29.7



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)