

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: P525854

Luminaire Tested: **IFLD-L-SA8D-927-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525854
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-927-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22
distribution lens
Light Source: (128) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

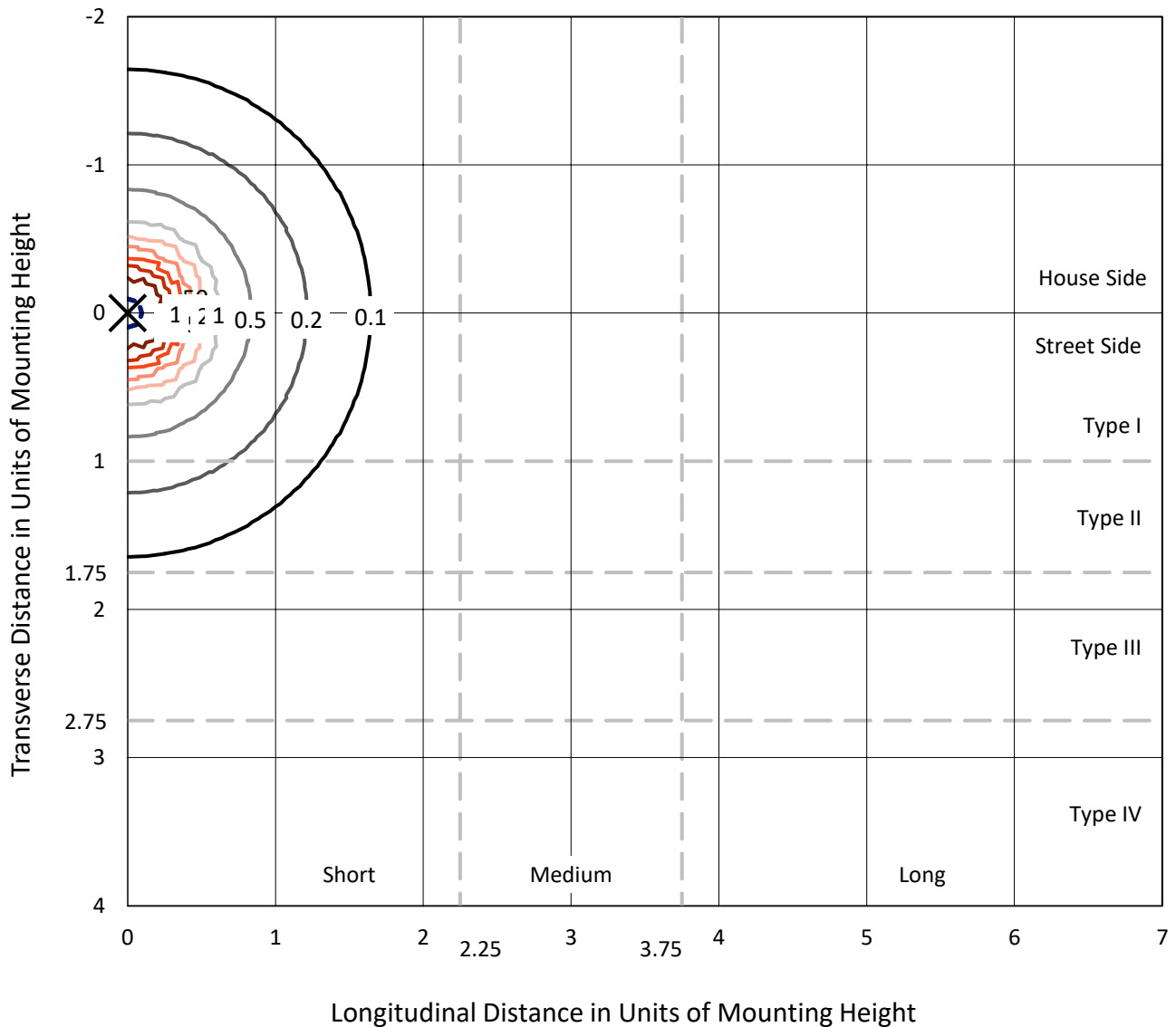
Lumens per Lamp: N/A
Luminaire Lumens: 35469.8 lumens
Efficiency: N/A
Efficacy: 72.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 488.3
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

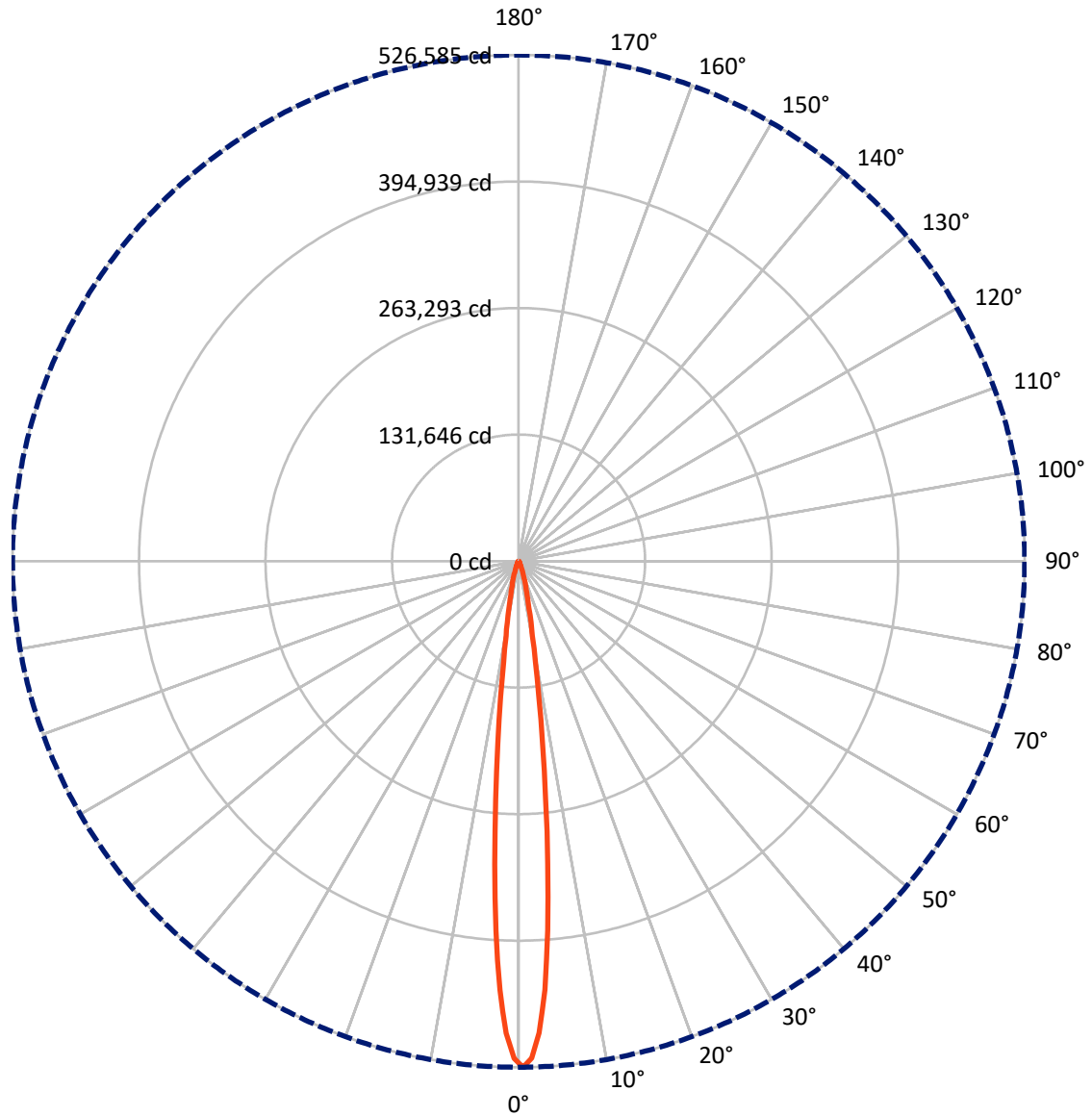
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 585.1 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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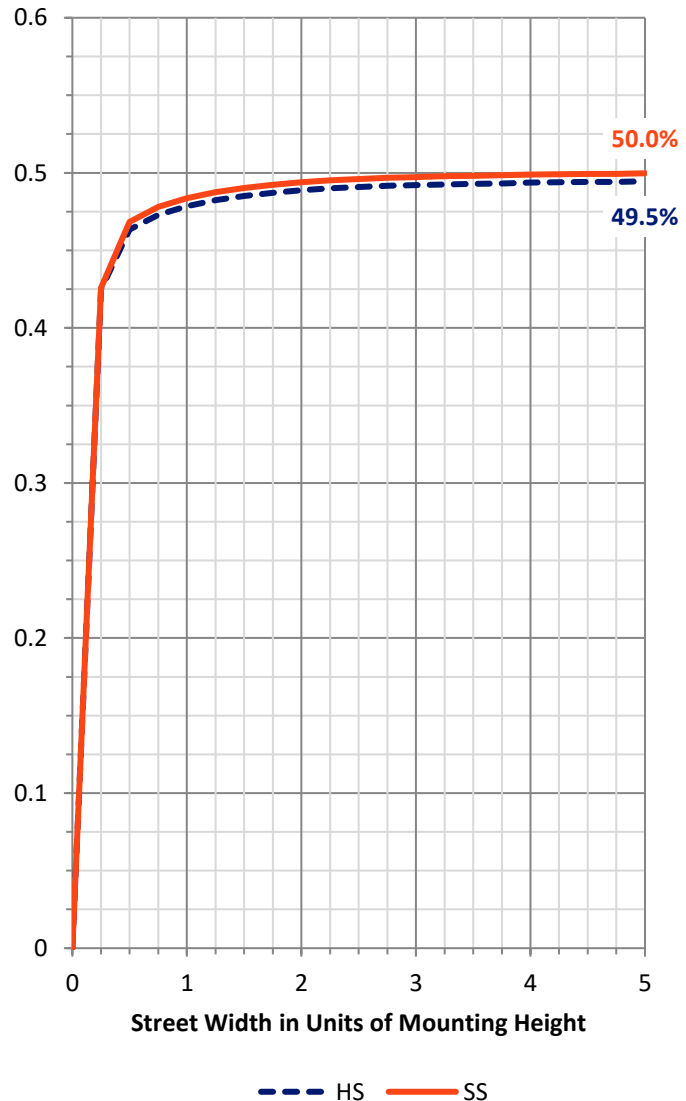
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17734.9	0.0	17734.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17734.9	0.0	17734.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	35469.8	0.0	35469.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21763.6	61.4
10°-20°	8660.0	24.4
20°-30°	1996.8	5.6
30°-40°	758.1	2.1
40°-50°	618.7	1.7
50°-60°	594.2	1.7
60°-70°	569.3	1.6
70°-80°	376.8	1.1
80°-90°	132.4	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°	35469.8	100.0
0°-180°	35469.8	100.0

Coefficient of Utilization



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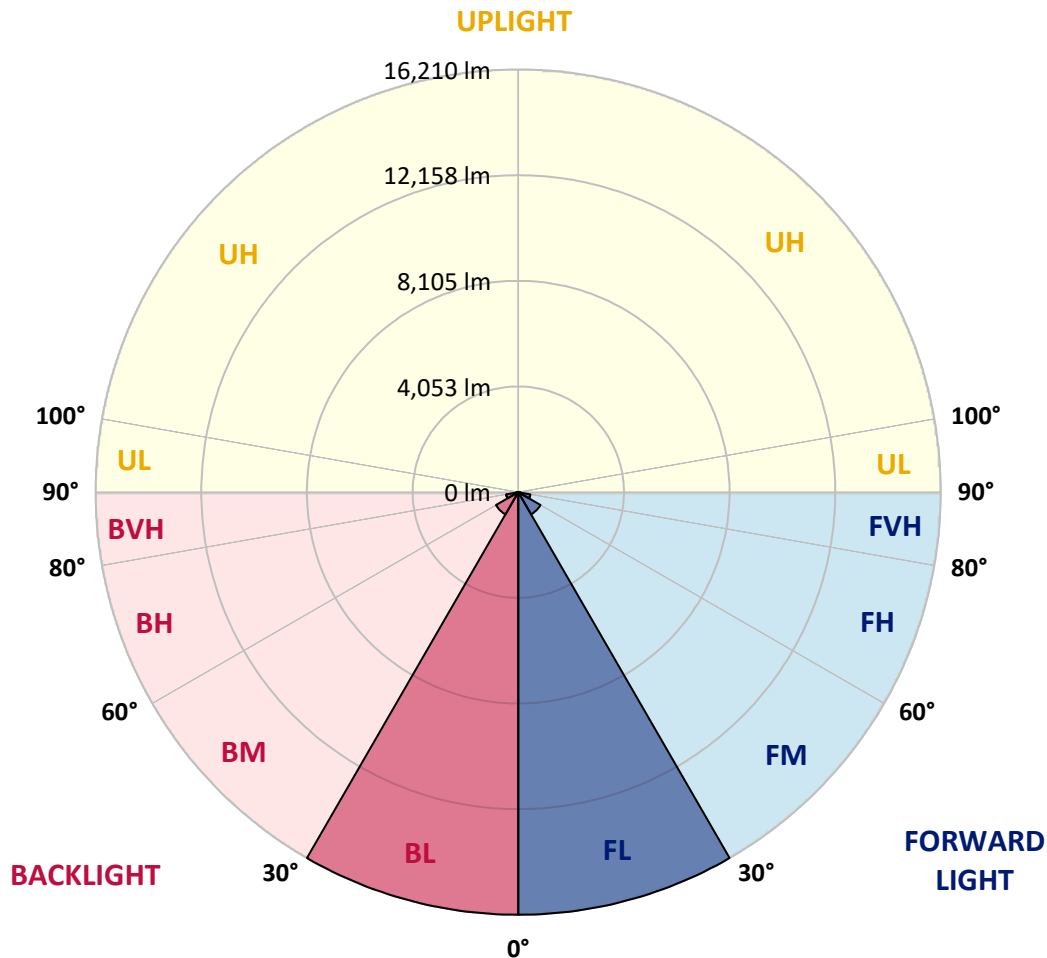
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	16210.2	45.7			
FM (30°-60°)	985.5	2.8			
FH (60°-80°)	473.0	1.3			G0/660
FVH (80°-90°)	66.2	0.2			G1/100
BL (0°-30°)	16210.2	45.7	B5		
BM (30°-60°)	985.5	2.8	B1/1000		
BH (60°-80°)	473.0	1.3	B1/500		G0/660
BVH (80°-90°)	66.2	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°	526585.3
1°	517321.9
2°	491373.8
3°	446805.2
4°	385525.9
5°	316430.0
6°	248770.4
7°	190572.0
8°	142235.5
9°	106045.7
10°	79082.8
12.5°	43101.1
15°	27655.0
17.5°	18662.2
20°	11095.3
22.5°	6172.2
25°	3528.4
27.5°	2237.8
30°	1613.3
32.5°	1316.7
35°	1170.9
37.5°	1087.7
40°	978.4
42.5°	869.1
45°	775.4
47.5°	728.6
50°	697.4
52.5°	676.5
55°	660.9
57.5°	650.5
60°	629.7
62.5°	614.1
65°	582.9
67.5°	541.2
70°	489.2
72.5°	421.5
75°	353.9
77.5°	291.4
80°	234.2
82.5°	182.1
85°	135.3
87.5°	52.0
90°	0.0

(END OF REPORT)