

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: P525731

Luminaire Tested: **IFLD-L-SA7C-935-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525731
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-935-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (112) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

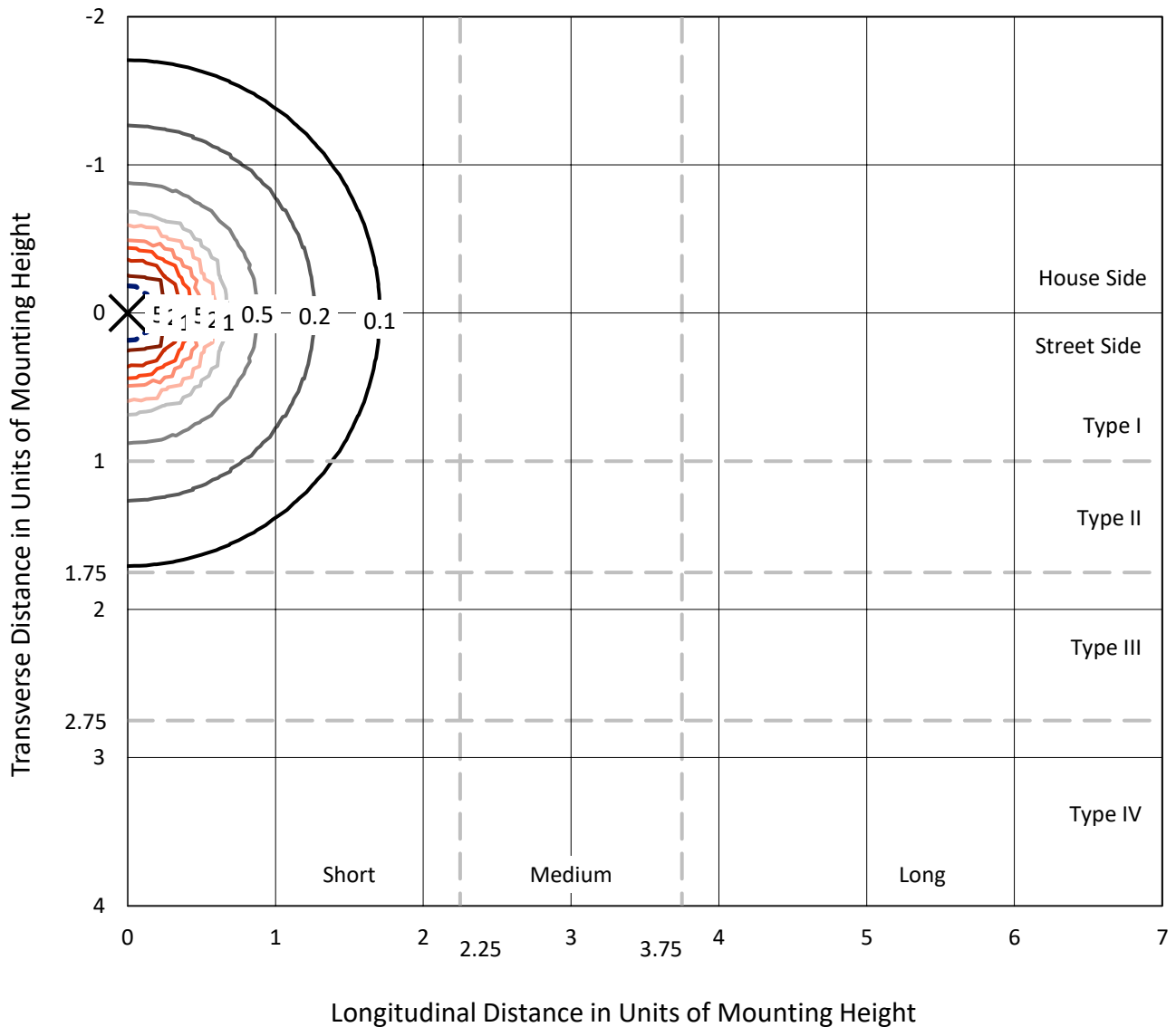
Lumens per Lamp: N/A
Luminaire Lumens: 29963.3 lumens
Efficiency: N/A
Efficacy: 81.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 369
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 = 322.9 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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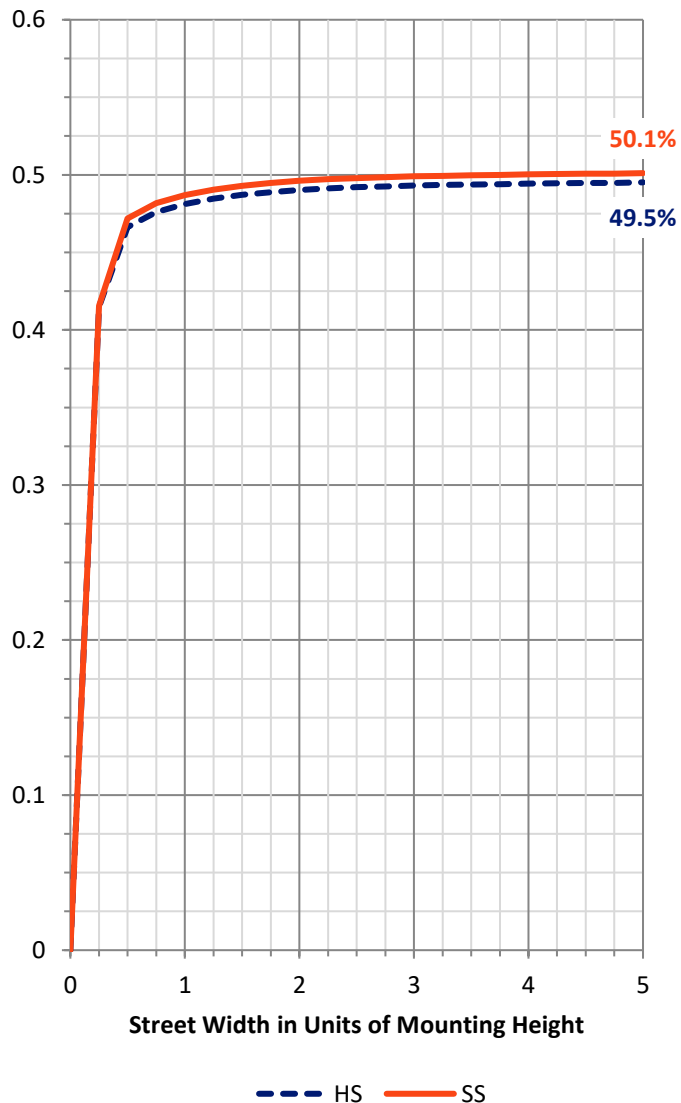
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14981.6	0.0	14981.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14981.6	0.0	14981.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	29963.3	0.0	29963.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15026.2	50.1
10°-20°	9883.8	33.0
20°-30°	2658.5	8.9
30°-40°	660.6	2.2
40°-50°	492.9	1.6
50°-60°	453.3	1.5
60°-70°	415.8	1.4
70°-80°	268.9	0.9
80°-90°	103.3	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°	29963.3	100.0
0°-180°	29963.3	100.0

Coefficient of Utilization



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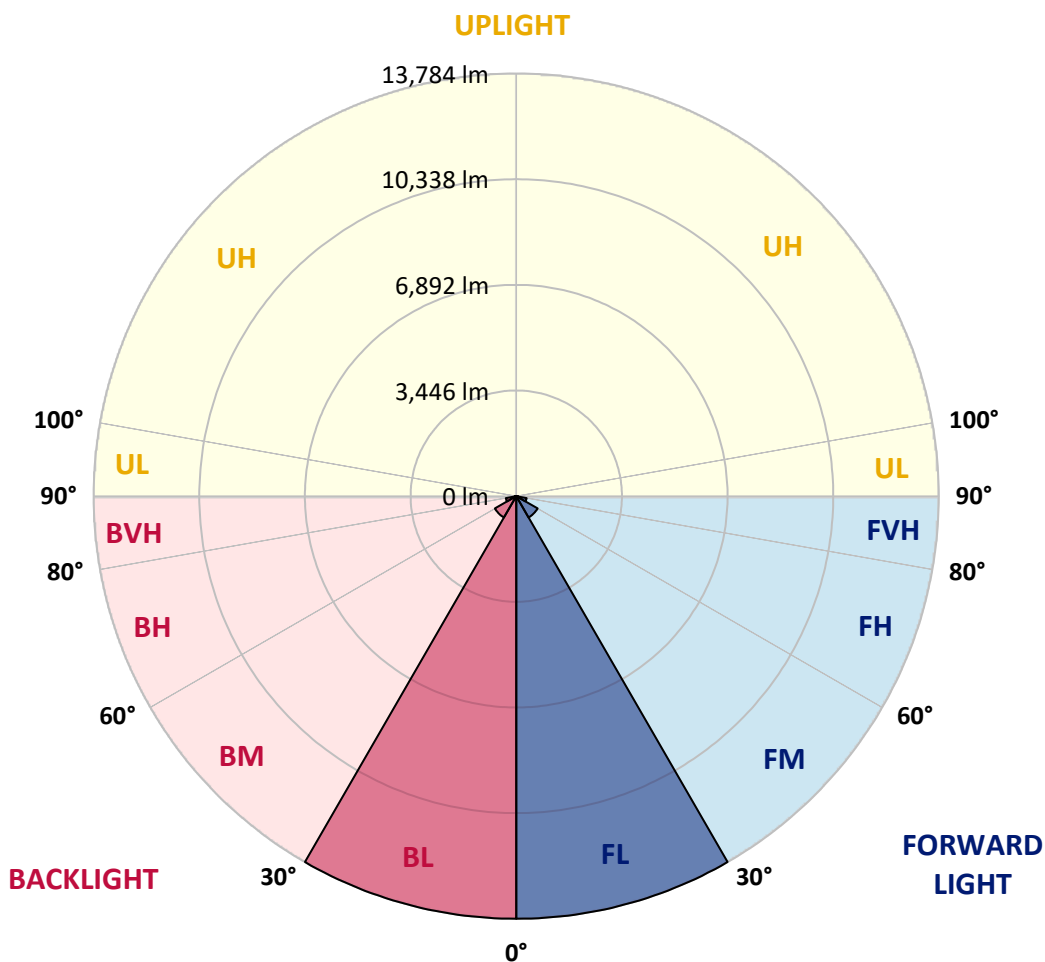
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	13784.3	46.0			
FM (30°-60°)	803.4	2.7			
FH (60°-80°)	342.4	1.1			G0/660
FVH (80°-90°)	51.6	0.2			G1/100
BL (0°-30°)	13784.3	46.0	B5		
BM (30°-60°)	803.4	2.7	B1/1000		
BH (60°-80°)	342.4	1.1	B1/500		G0/660
BVH (80°-90°)	51.6	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°	201815.5
1°	201025.7
2°	199035.8
3°	195647.2
4°	190709.9
5°	183835.6
6°	174239.0
7°	161103.8
8°	144447.6
9°	124804.4
10°	104883.2
11°	83483.8
12°	63620.0
13°	47012.3
14°	35183.1
15°	27554.4
17.5°	18469.6
20°	13351.4
22.5°	8802.4
25°	5166.7
27.5°	2898.8
30°	1619.3
32.5°	1182.5
35°	1001.6
37.5°	882.4
40°	776.6
42.5°	697.1
45°	626.5
47.5°	578.0
50°	538.3
52.5°	516.2
55°	503.0
57.5°	494.2
60°	480.9
62.5°	454.5
65°	423.6
67.5°	388.3
70°	344.2
72.5°	295.6
75°	251.5
77.5°	211.8
80°	176.5
82.5°	141.2
85°	105.9
87.5°	44.1



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)