

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: P525957

Luminaire Tested: **IFLD-S-SA6E-940-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525957
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6E-940-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (96) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

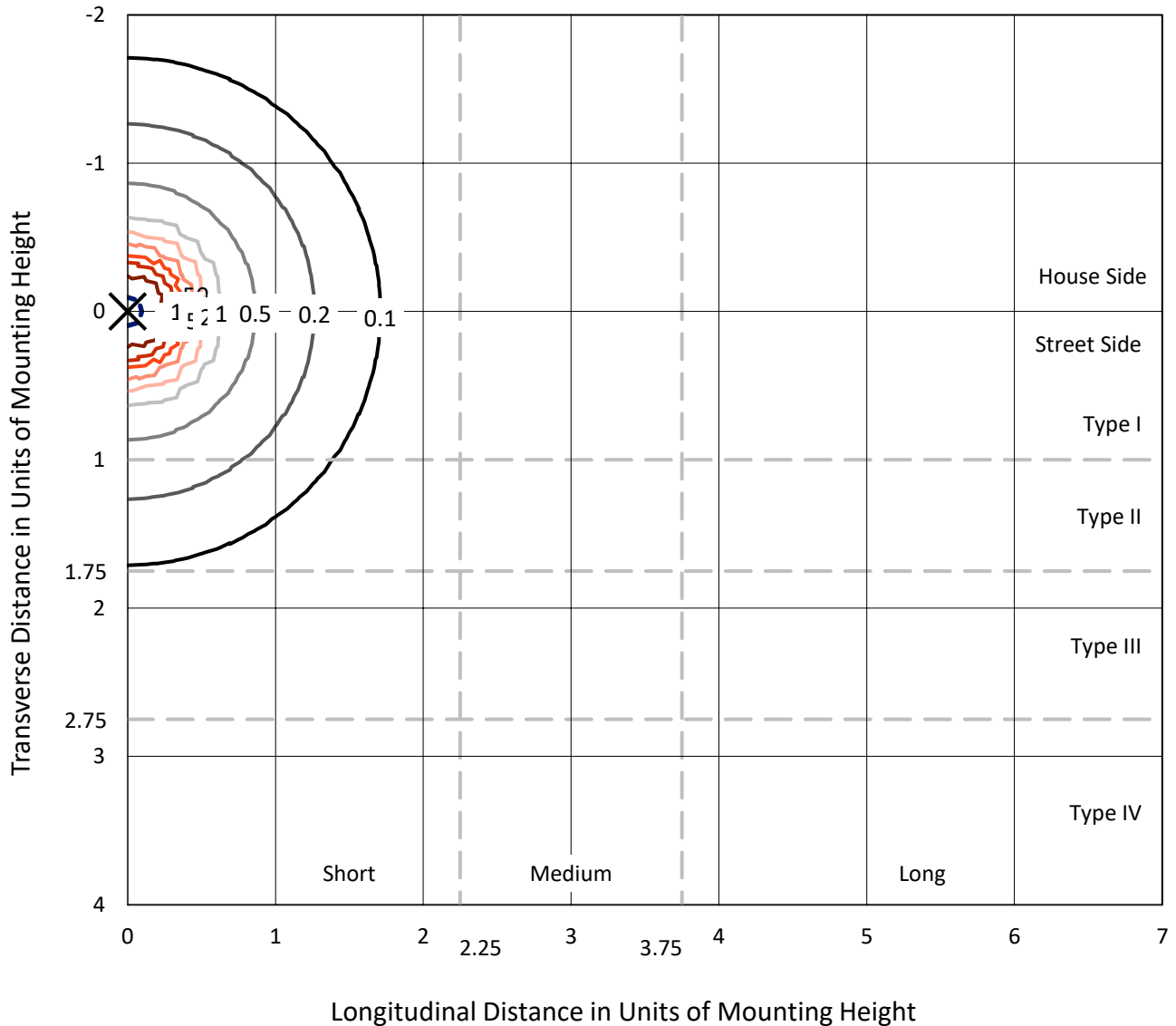
Lumens per Lamp: N/A
Luminaire Lumens: 39064.9 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 464.2
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

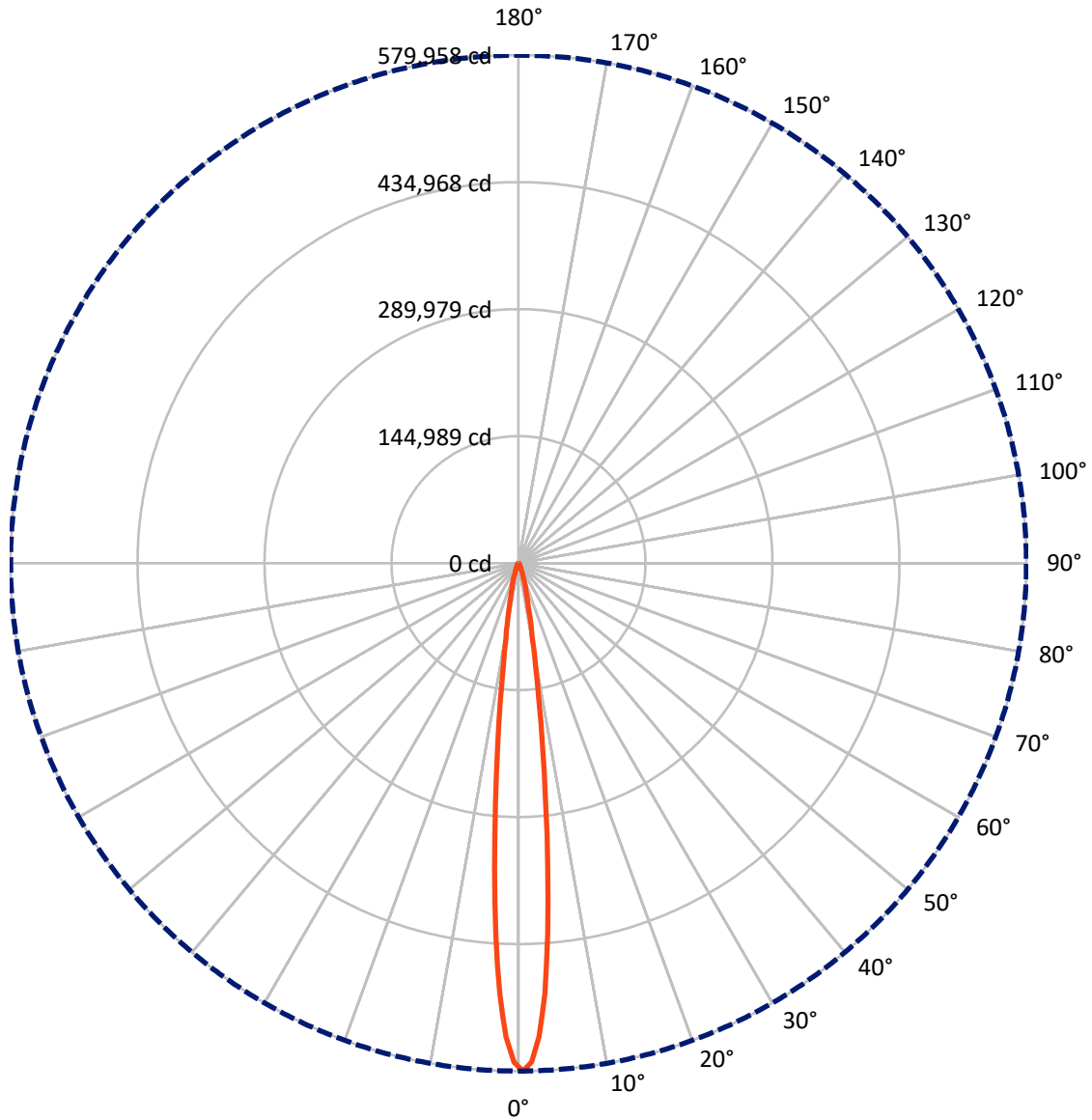
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 644.4 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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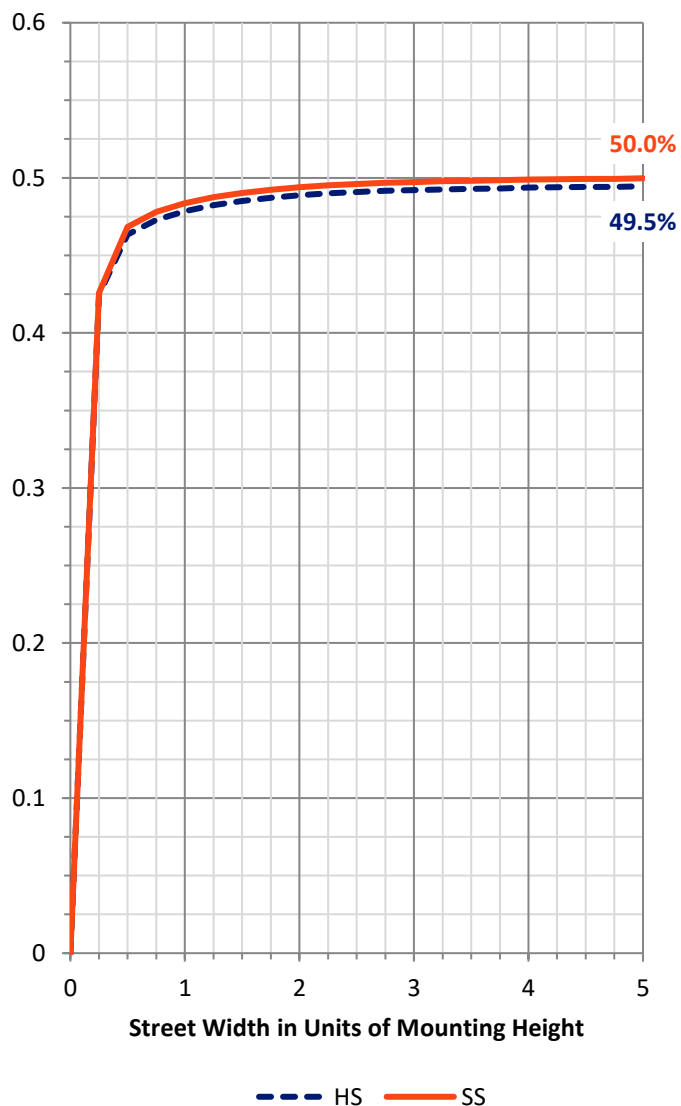
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19532.4	0.0	19532.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19532.4	0.0	19532.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	39064.9	0.0	39064.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23969.4	61.4
10°-20°	9537.7	24.4
20°-30°	2199.2	5.6
30°-40°	834.9	2.1
40°-50°	681.4	1.7
50°-60°	654.4	1.7
60°-70°	627.0	1.6
70°-80°	415.0	1.1
80°-90°	145.8	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°	39064.9	100.0
0°-180°	39064.9	100.0

Coefficient of Utilization



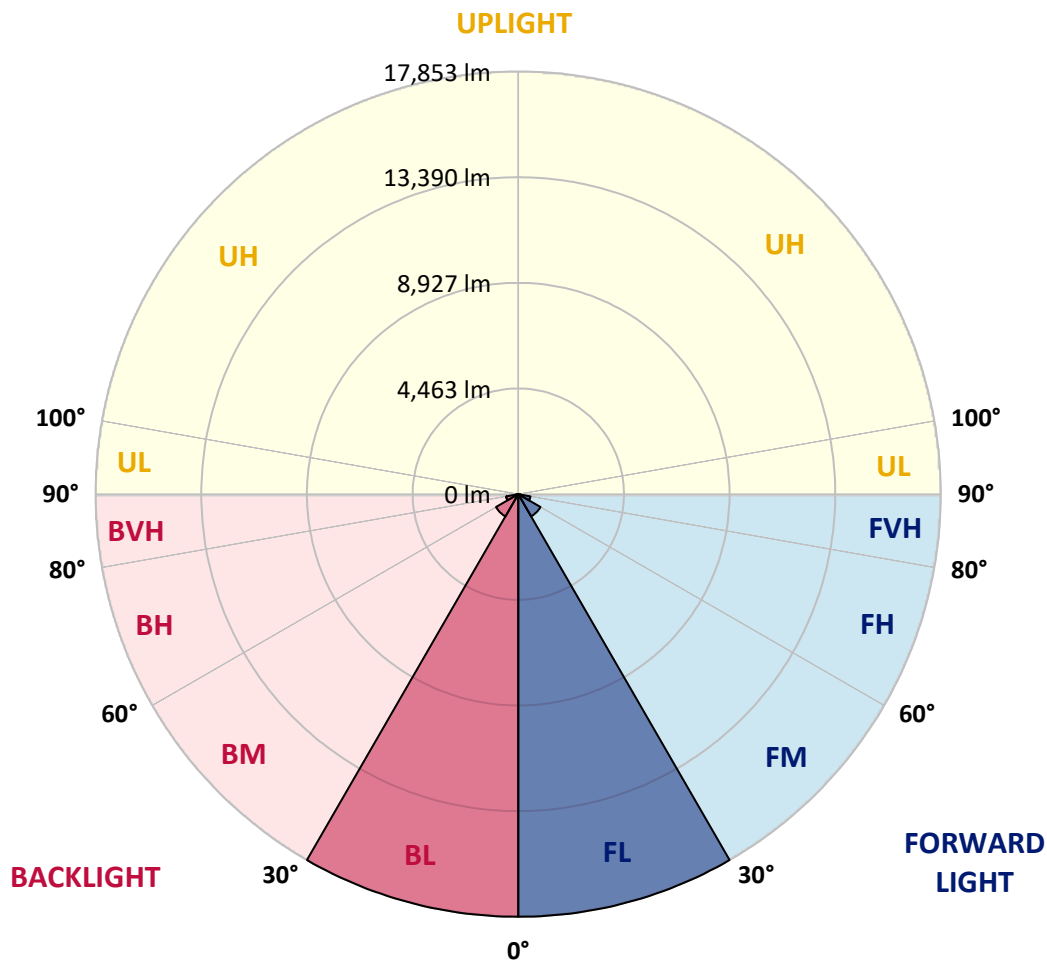
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	17853.2	45.7			
FM (30°-60°)	1085.4	2.8			
FH (60°-80°)	521.0	1.3			G0/660
FVH (80°-90°)	72.9	0.2			G1/100
BL (0°-30°)	17853.2	45.7	B5		
BM (30°-60°)	1085.4	2.8	B2/2500		
BH (60°-80°)	521.0	1.3	B2/1000		G0/660
BVH (80°-90°)	72.9	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°	579957.9
1°	569755.5
2°	541177.5
3°	492091.5
4°	424601.3
5°	348502.0
6°	273984.7
7°	209887.6
8°	156652.0
9°	116794.0
10°	87098.3
12.5°	47469.6
15°	30458.0
17.5°	20553.7
20°	12219.9
22.5°	6797.7
25°	3886.1
27.5°	2464.6
30°	1776.8
32.5°	1450.1
35°	1289.6
37.5°	1197.9
40°	1077.6
42.5°	957.2
45°	854.0
47.5°	802.4
50°	768.0
52.5°	745.1
55°	727.9
57.5°	716.5
60°	693.5
62.5°	676.3
65°	641.9
67.5°	596.1
70°	538.8
72.5°	464.3
75°	389.8
77.5°	321.0
80°	257.9
82.5°	200.6
85°	149.0
87.5°	57.3
90°	0.0

(END OF REPORT)