

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: P525747

Luminaire Tested: **IFLD-S-SA3E-940-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525747
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3E-940-U-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (48) 4000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

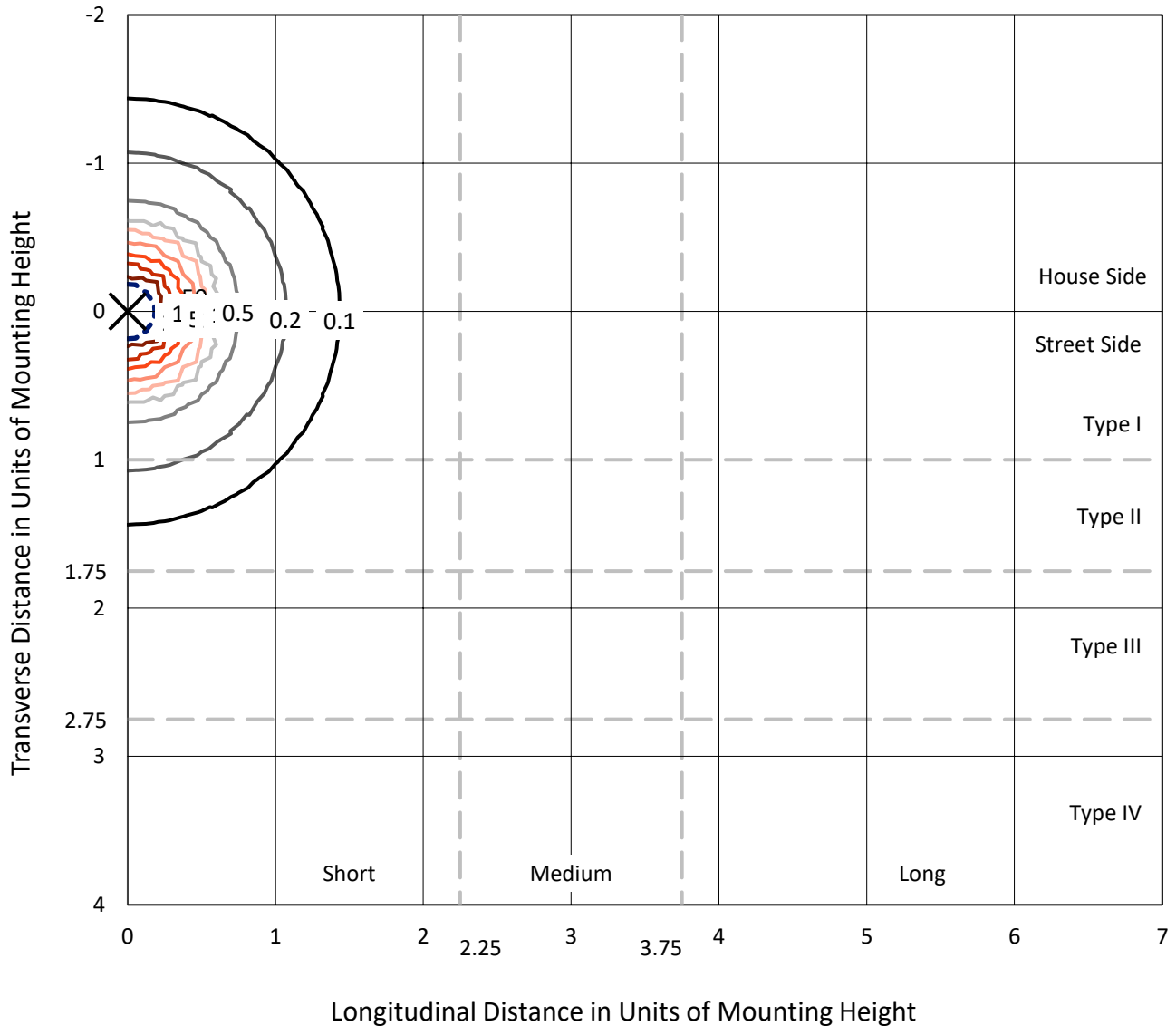
Lumens per Lamp: N/A
Luminaire Lumens: 19840.4 lumens
Efficiency: N/A
Efficacy: 85.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 232.1
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

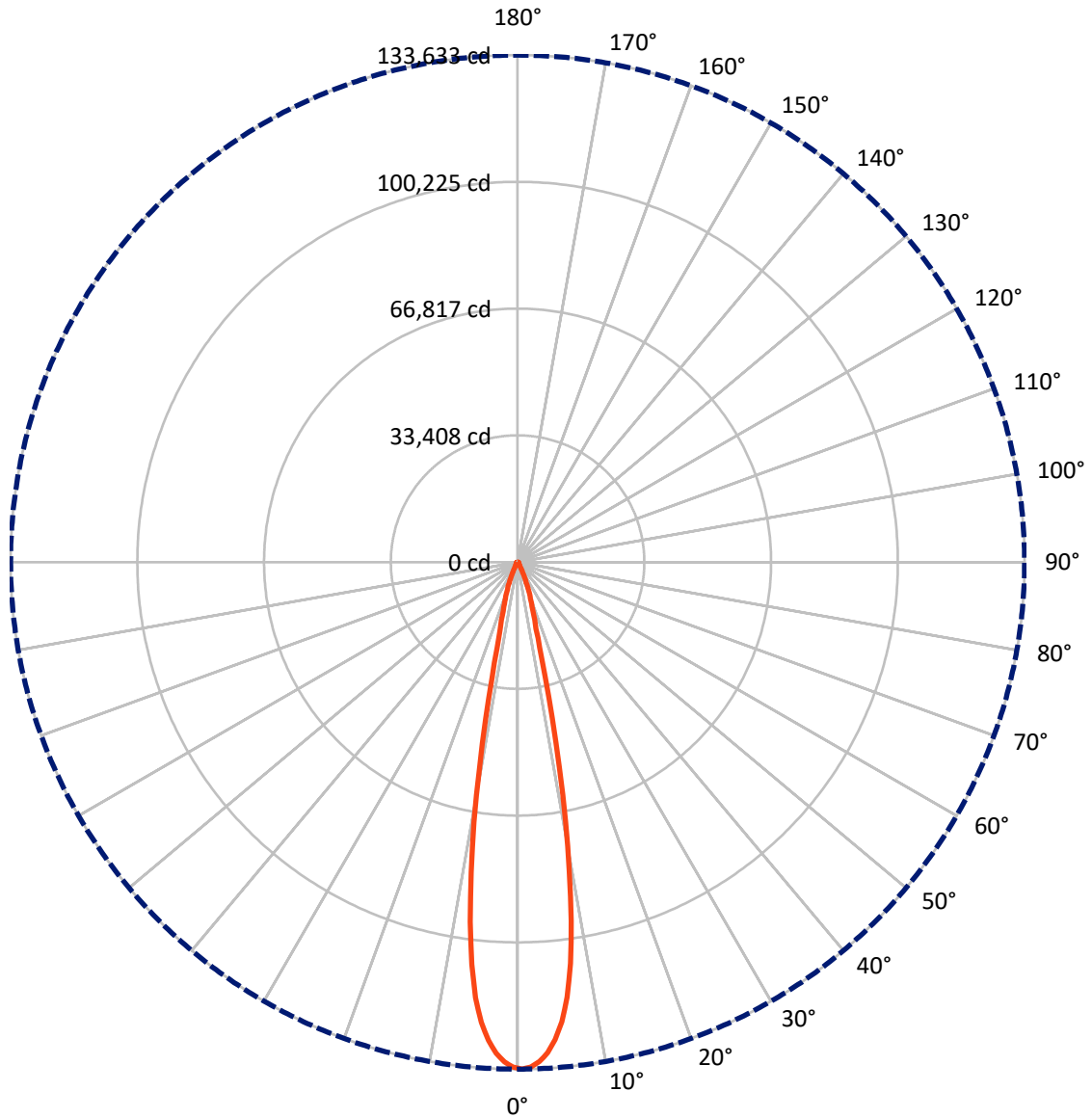
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 213.8 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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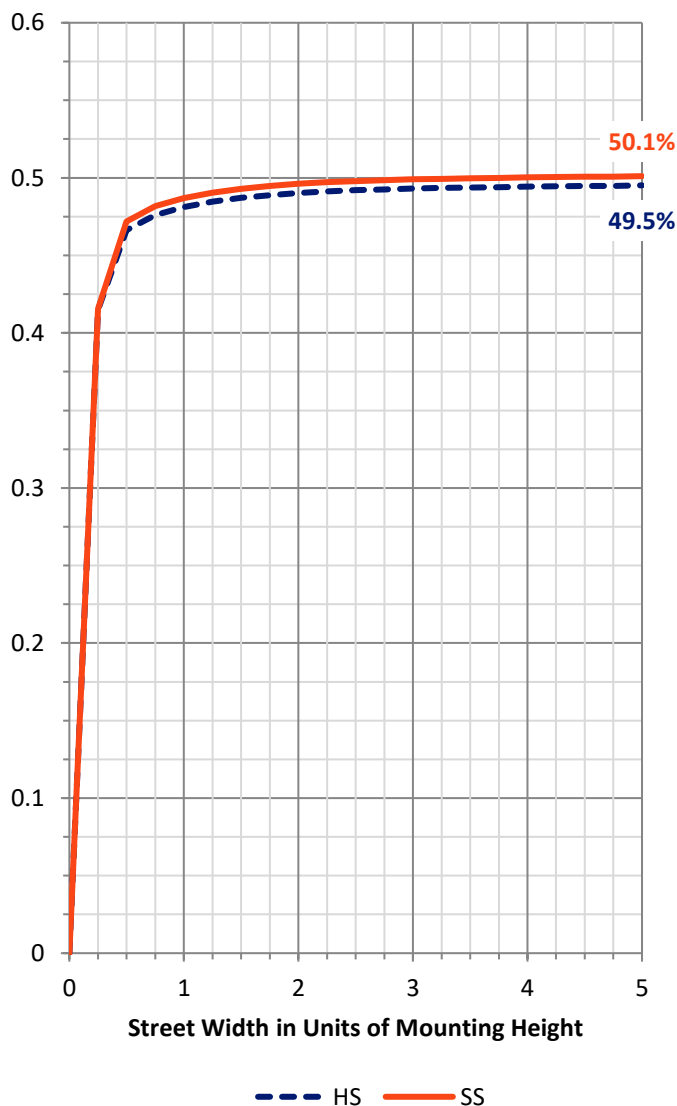
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9920.2	0.0	9920.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9920.2	0.0	9920.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	19840.4	0.0	19840.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9949.7	50.1
10°-20°	6544.6	33.0
20°-30°	1760.4	8.9
30°-40°	437.4	2.2
40°-50°	326.4	1.6
50°-60°	300.2	1.5
60°-70°	275.3	1.4
70°-80°	178.0	0.9
80°-90°	68.4	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°	19840.4	100.0
0°-180°	19840.4	100.0

Coefficient of Utilization



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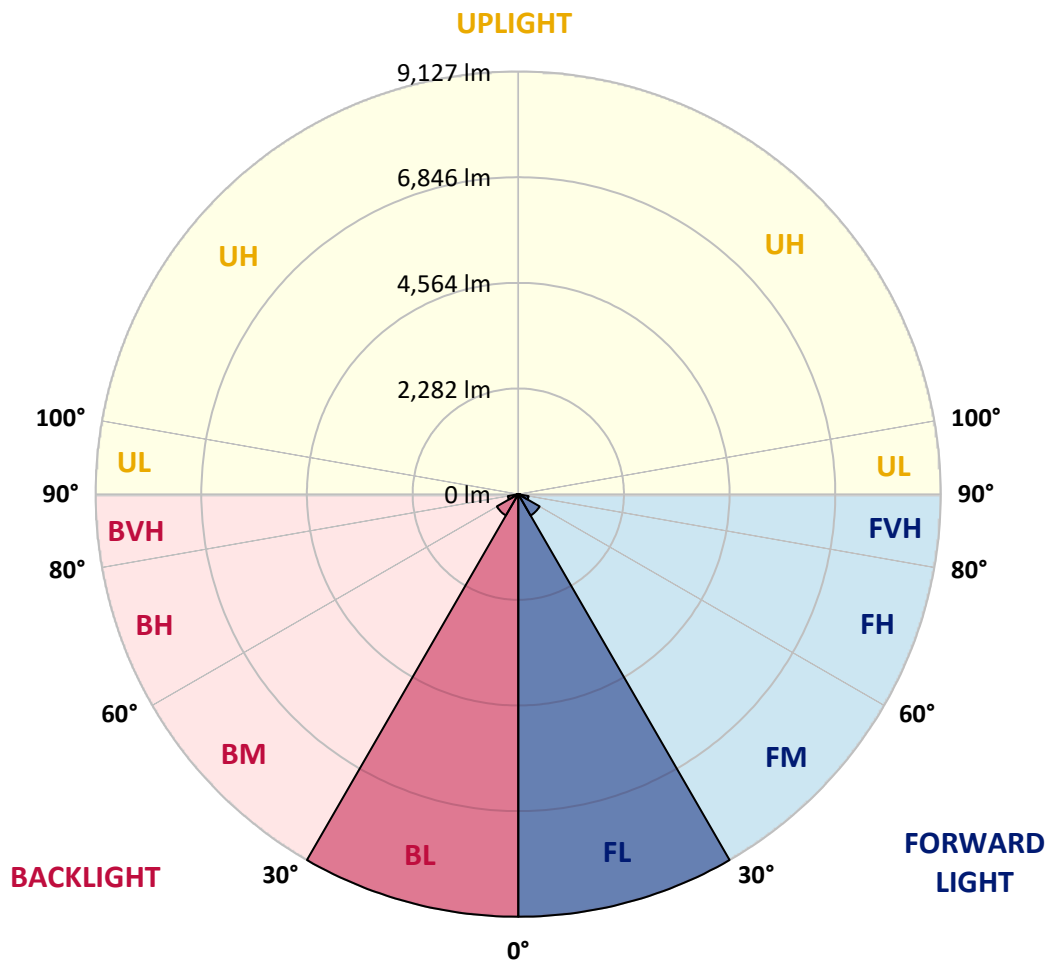
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	9127.3	46.0			
FM (30°-60°)	532.0	2.7			
FH (60°-80°)	226.7	1.1			G0/660
FVH (80°-90°)	34.2	0.2			G1/100
BL (0°-30°)	9127.3	46.0	B5		
BM (30°-60°)	532.0	2.7	B1/1000		
BH (60°-80°)	226.7	1.1	B1/500		G0/660
BVH (80°-90°)	34.2	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°	133633.4
1°	133110.4
2°	131792.8
3°	129549.0
4°	126279.7
5°	121727.9
6°	115373.5
7°	106675.9
8°	95646.9
9°	82640.0
10°	69449.0
11°	55279.3
12°	42126.4
13°	31129.5
14°	23296.7
15°	18245.3
17.5°	12229.8
20°	8840.7
22.5°	5828.6
25°	3421.2
27.5°	1919.5
30°	1072.2
32.5°	783.0
35°	663.2
37.5°	584.3
40°	514.2
42.5°	461.6
45°	414.9
47.5°	382.7
50°	356.4
52.5°	341.8
55°	333.1
57.5°	327.2
60°	318.5
62.5°	300.9
65°	280.5
67.5°	257.1
70°	227.9
72.5°	195.7
75°	166.5
77.5°	140.2
80°	116.9
82.5°	93.5
85°	70.1
87.5°	29.2



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)