

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: P525602

Luminaire Tested: **IFLD-S-SA6A-950-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525602
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-950-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (96) 5000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20049.8 lumens
Efficiency: N/A
Efficacy: 105.7 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): 189.6
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

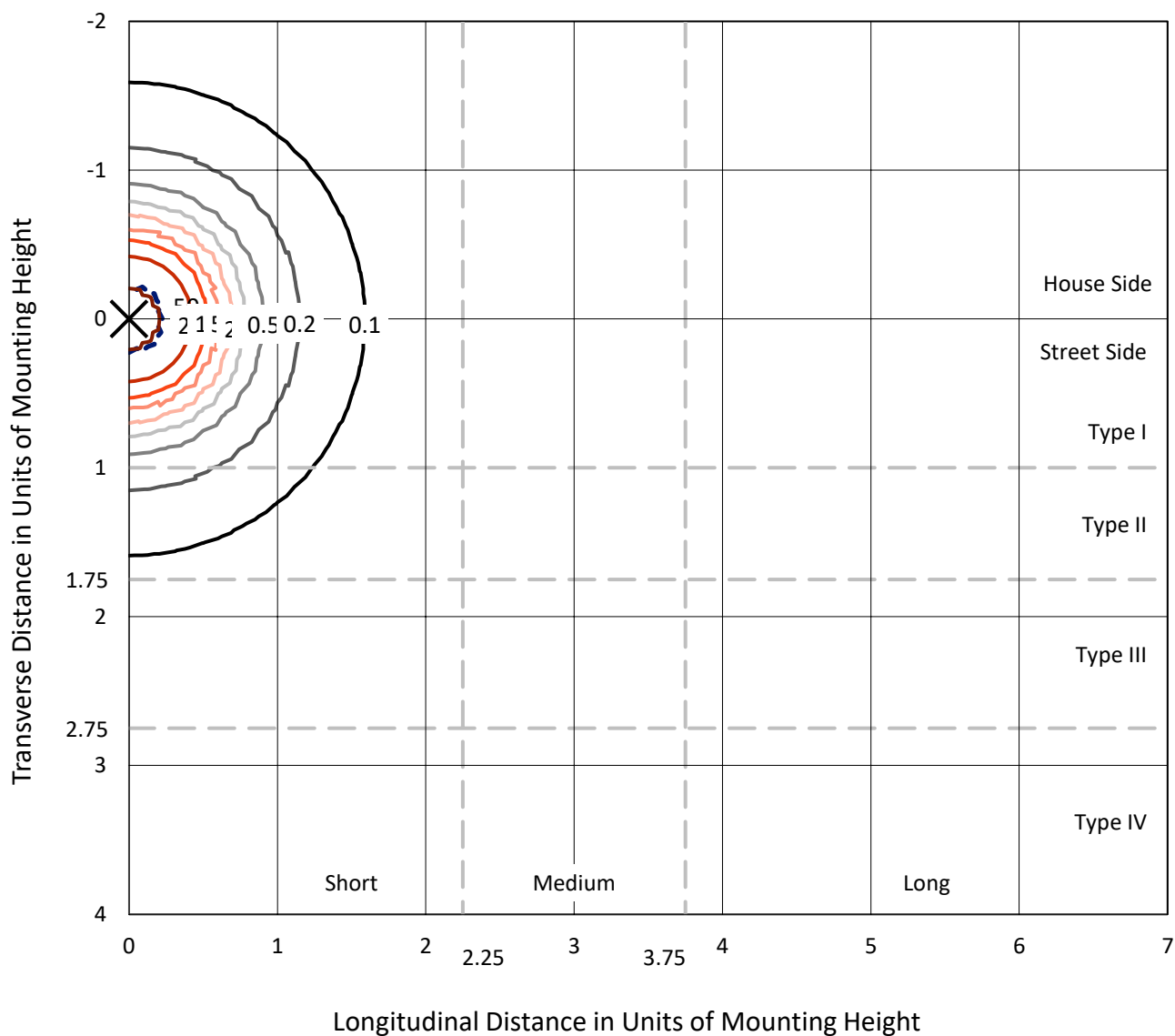
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

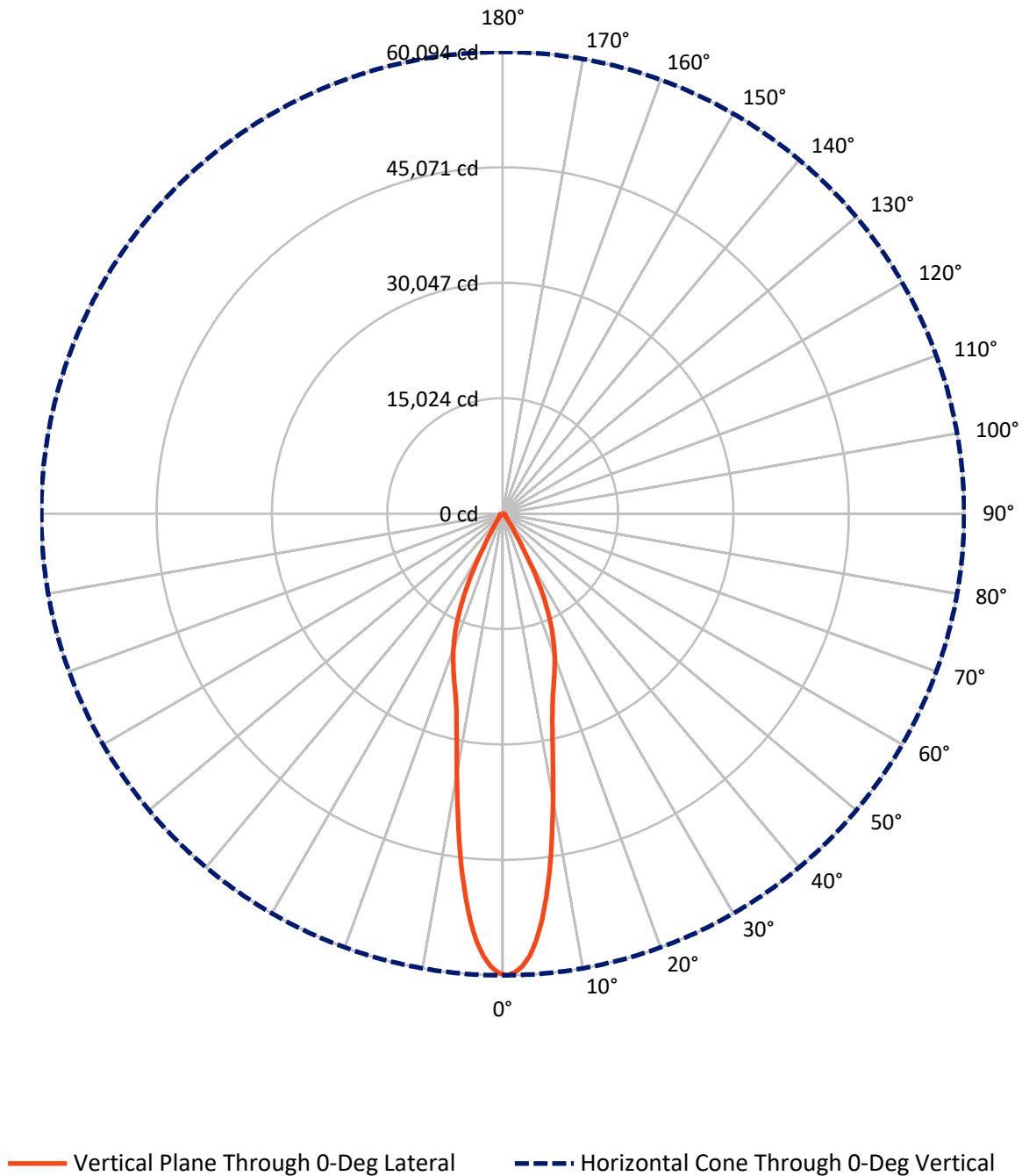


Based on 25 foot mounting height. Maximum calculated value = 96.2 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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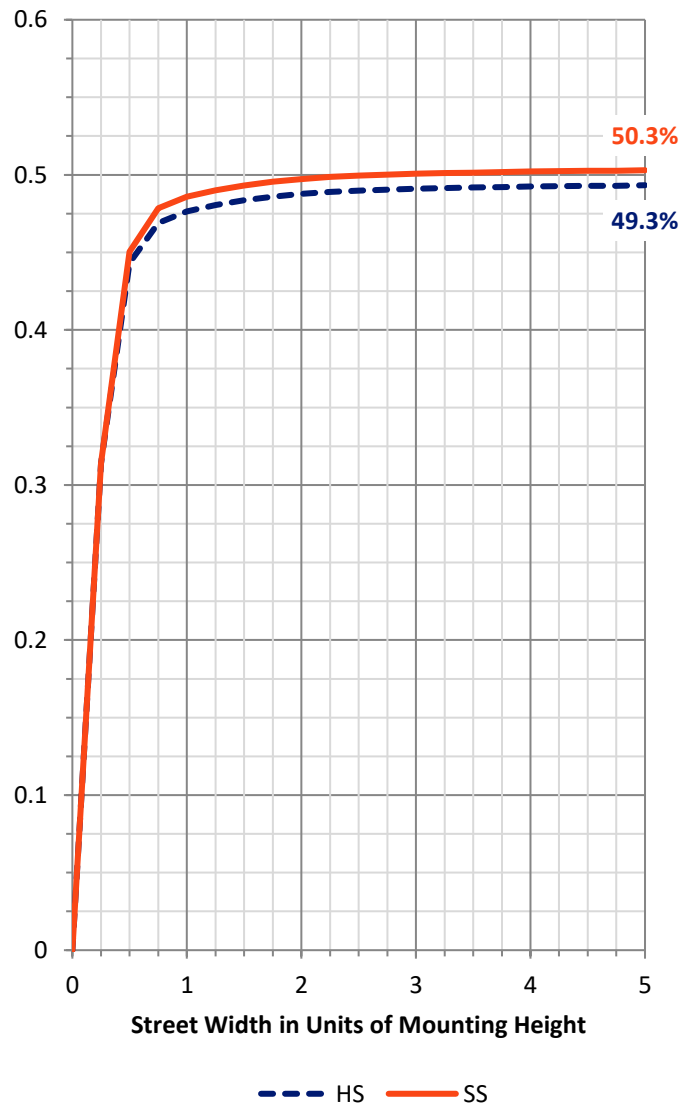
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10024.9	0.0	10024.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10024.9	0.0	10024.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	20049.8	0.0	20049.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4498.5	22.4
10°-20°	7015.7	35.0
20°-30°	5685.0	28.4
30°-40°	1379.7	6.9
40°-50°	464.3	2.3
50°-60°	367.0	1.8
60°-70°	366.0	1.8
70°-80°	202.0	1.0
80°-90°	71.6	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°	20049.8	100.0
0°-180°	20049.8	100.0

Coefficient of Utilization



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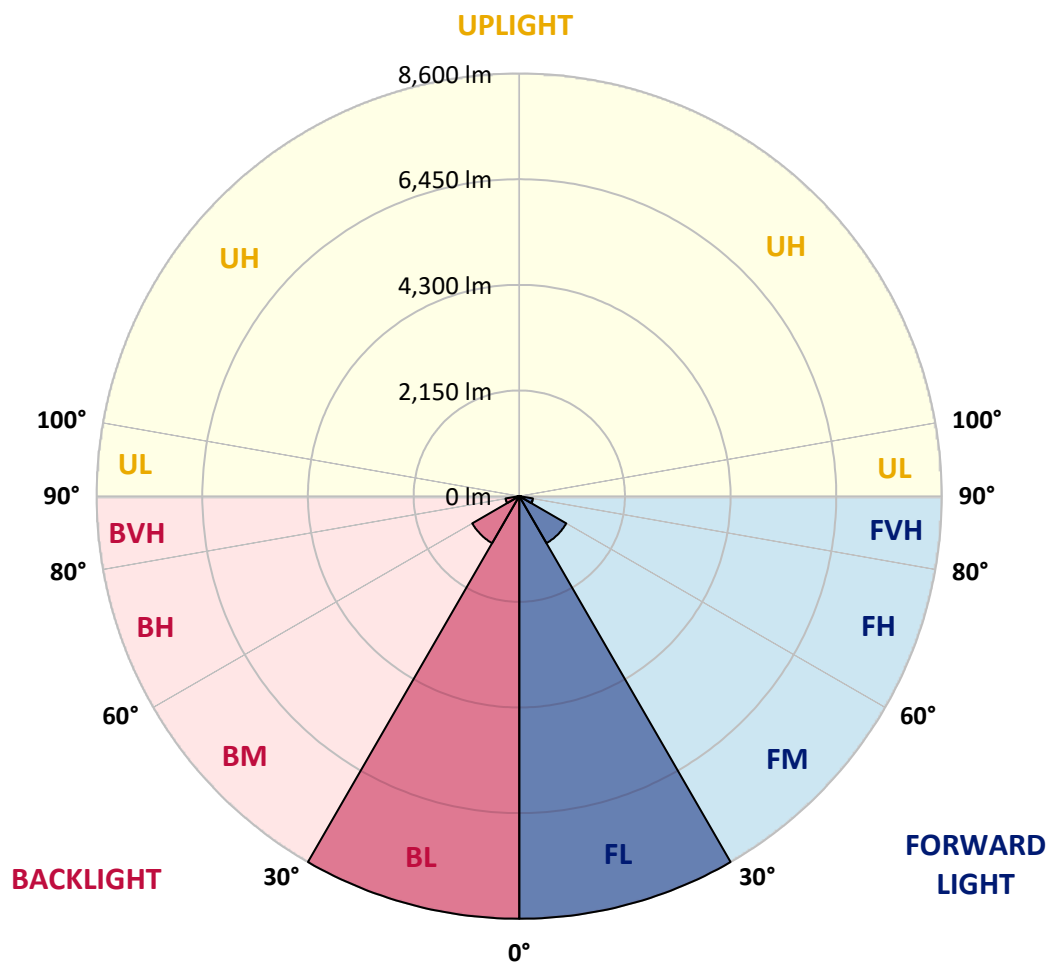
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8599.6	42.9			
FM	(30°-60°)	1105.5	5.5			
FH	(60°-80°)	284.0	1.4			G0/660
FVH	(80°-90°)	35.8	0.2			G1/100
BL	(0°-30°)	8599.6	42.9	B5		
BM	(30°-60°)	1105.5	5.5	B2/2500		
BH	(60°-80°)	284.0	1.4	B1/500		G0/660
BVH	(80°-90°)	35.8	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°	60094.4
1°	59781.6
2°	58977.7
3°	57644.6
4°	55729.7
5°	53259.4
6°	50233.6
7°	46851.2
8°	43179.3
9°	39484.1
10°	35949.7
11°	32768.9
12°	29982.9
13°	27693.8
14°	25869.6
15°	24434.2
17.5°	21776.8
20°	19303.5
22.5°	16406.4
25°	13041.5
27.5°	9205.9
30°	5002.0
32.5°	2876.7
35°	1920.7
37.5°	1309.7
40°	932.6
42.5°	722.1
45°	564.2
47.5°	461.9
50°	423.9
52.5°	403.4
55°	394.7
57.5°	409.3
60°	432.7
62.5°	423.9
65°	377.1
67.5°	324.5
70°	274.8
72.5°	228.0
75°	187.1
77.5°	152.0
80°	122.8
82.5°	99.4
85°	76.0
87.5°	26.3

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)