

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: P525566

Luminaire Tested: **IFLD-S-SA6D-940-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525566
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-940-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (96) 4000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33965.1 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

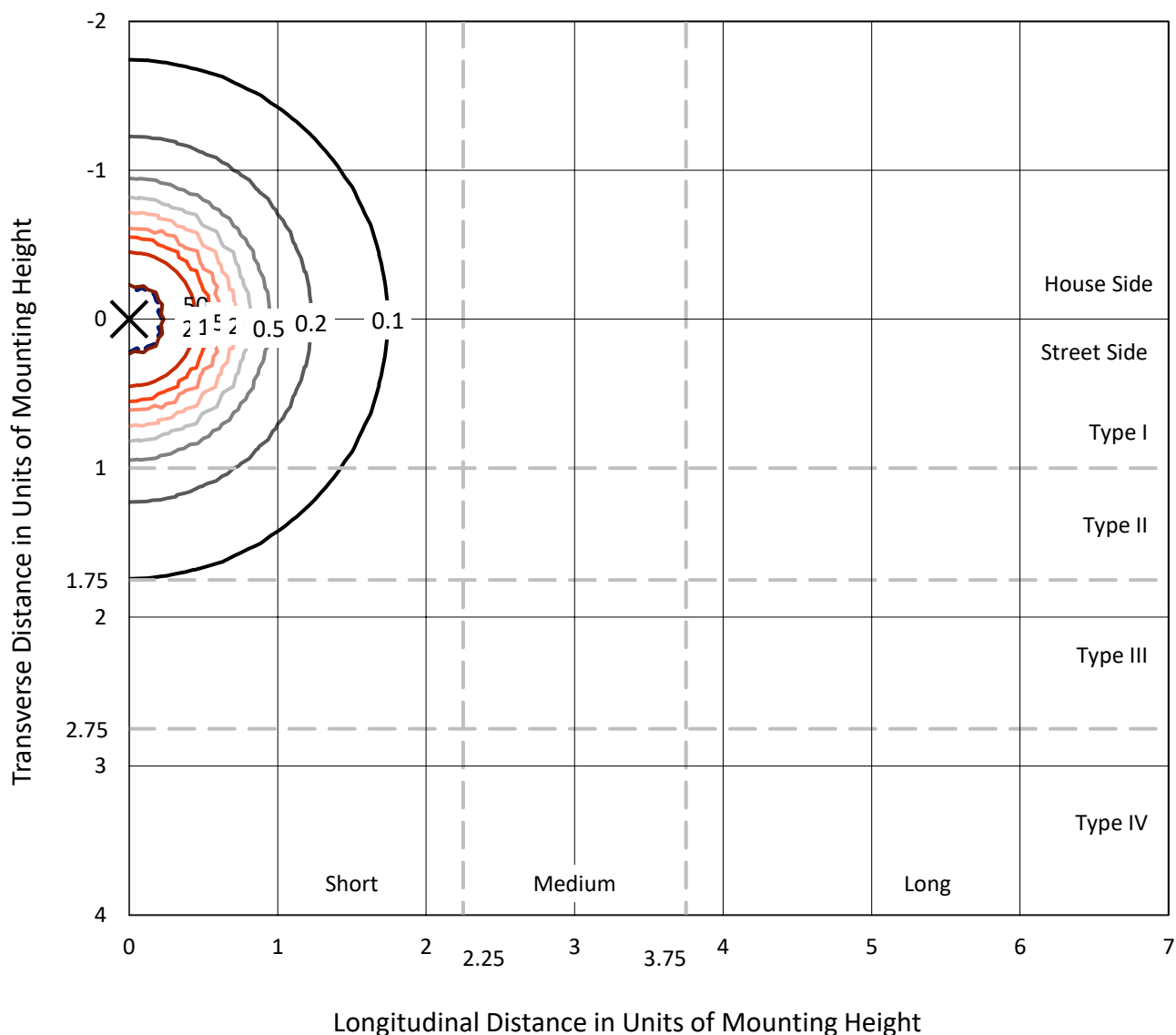
Input Watts (W): 368.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

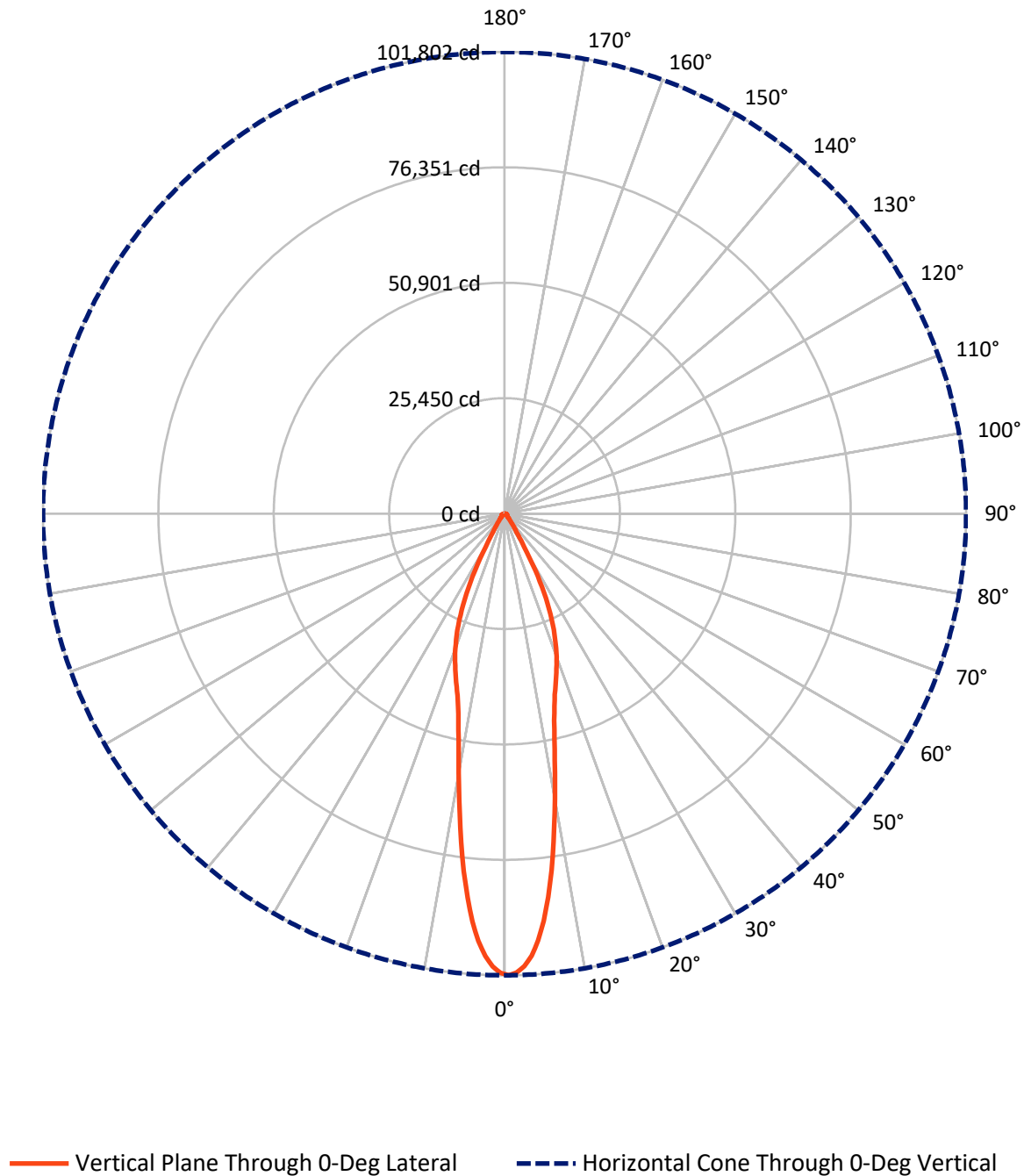


Based on 30 foot mounting height. Maximum calculated value = 113.1 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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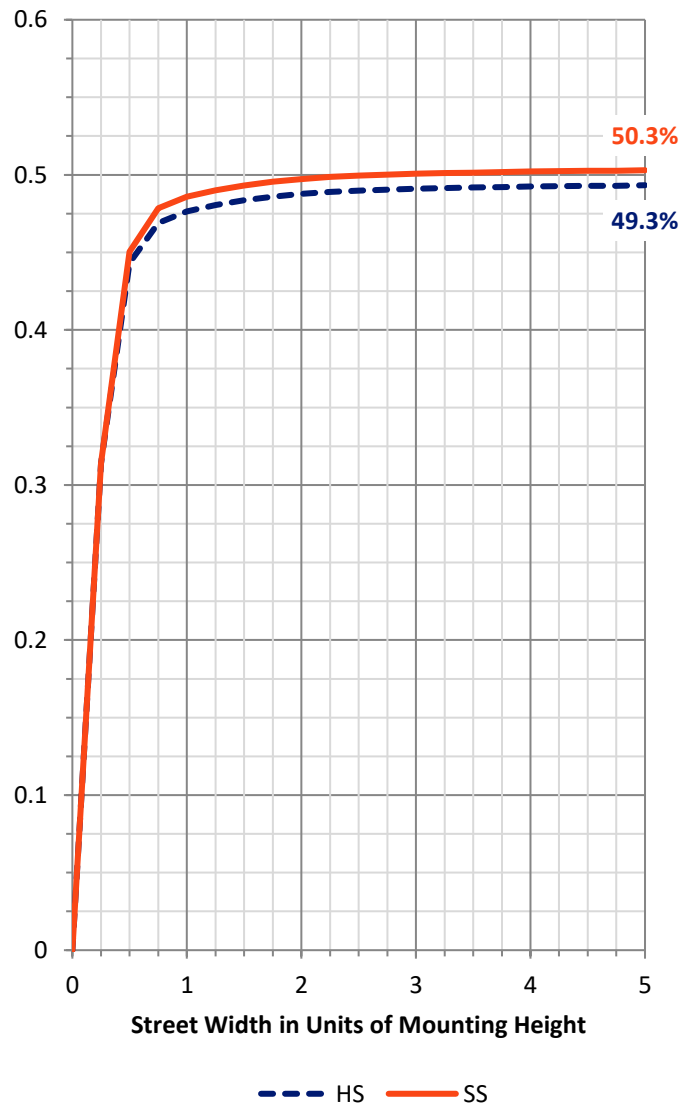
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16982.5	0.0	16982.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16982.5	0.0	16982.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	33965.1	0.0	33965.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7620.6	22.4
10°-20°	11884.8	35.0
20°-30°	9630.6	28.4
30°-40°	2337.3	6.9
40°-50°	786.6	2.3
50°-60°	621.6	1.8
60°-70°	620.0	1.8
70°-80°	342.2	1.0
80°-90°	121.3	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°	33965.1	100.0
0°-180°	33965.1	100.0

Coefficient of Utilization



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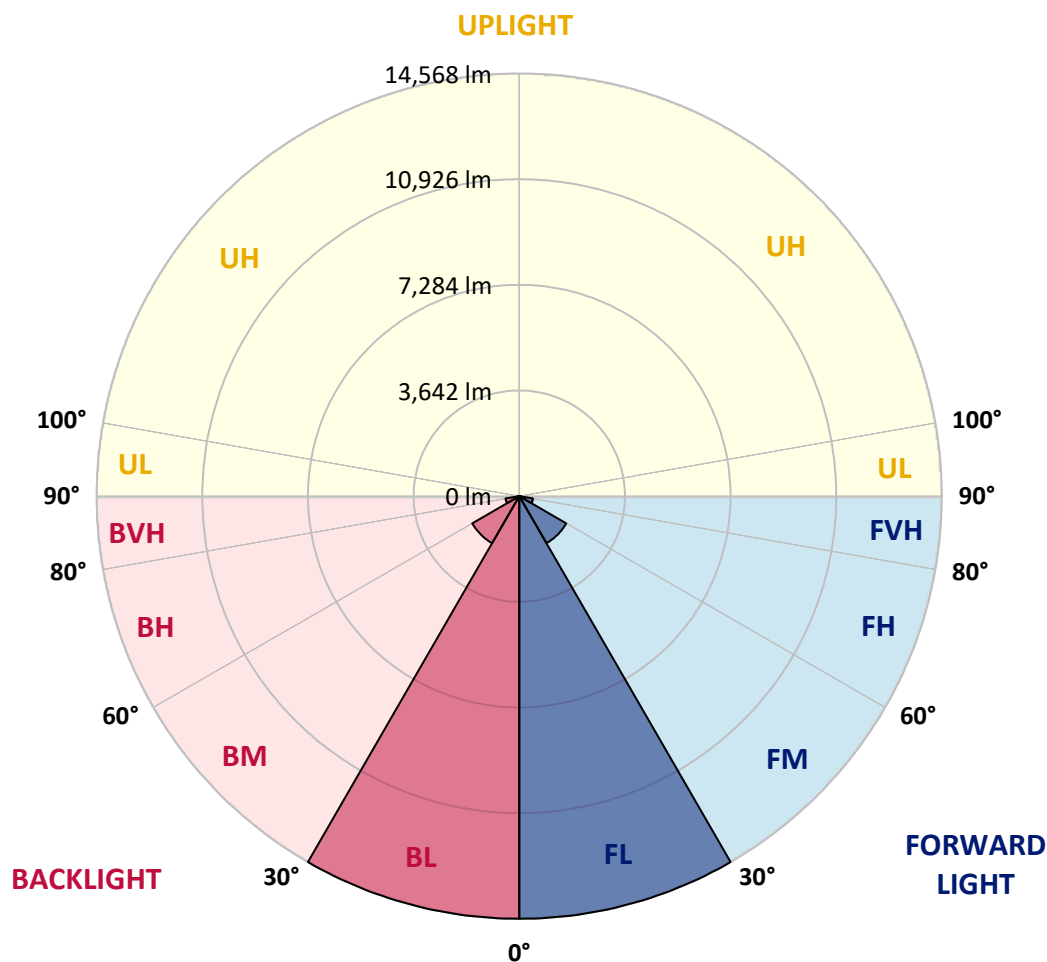
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	14568.0	42.9			
FM	(30°-60°)	1872.8	5.5			
FH	(60°-80°)	481.1	1.4			G0/660
FVH	(80°-90°)	60.7	0.2			G1/100
BL	(0°-30°)	14568.0	42.9	B5		
BM	(30°-60°)	1872.8	5.5	B2/2500		
BH	(60°-80°)	481.1	1.4	B1/500		G0/660
BVH	(80°-90°)	60.7	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°	101801.9
1°	101272.0
2°	99910.1
3°	97651.8
4°	94407.9
5°	90223.2
6°	85097.4
7°	79367.5
8°	73147.2
9°	66887.4
10°	60899.9
11°	55511.7
12°	50792.0
13°	46914.3
14°	43823.9
15°	41392.3
17.5°	36890.6
20°	32700.8
22.5°	27793.0
25°	22092.7
27.5°	15595.2
30°	8473.6
32.5°	4873.2
35°	3253.7
37.5°	2218.7
40°	1579.8
42.5°	1223.2
45°	955.8
47.5°	782.5
50°	718.1
52.5°	683.4
55°	668.6
57.5°	693.3
60°	733.0
62.5°	718.1
65°	638.9
67.5°	549.7
70°	465.5
72.5°	386.3
75°	317.0
77.5°	257.5
80°	208.0
82.5°	168.4
85°	128.8
87.5°	44.6

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)