

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: P525488

Luminaire Tested: **IFLD-S-SA6D-930-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525488
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-930-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (96) 3000K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30082.8 lumens
Efficiency: N/A
Efficacy: 81.7 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): 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

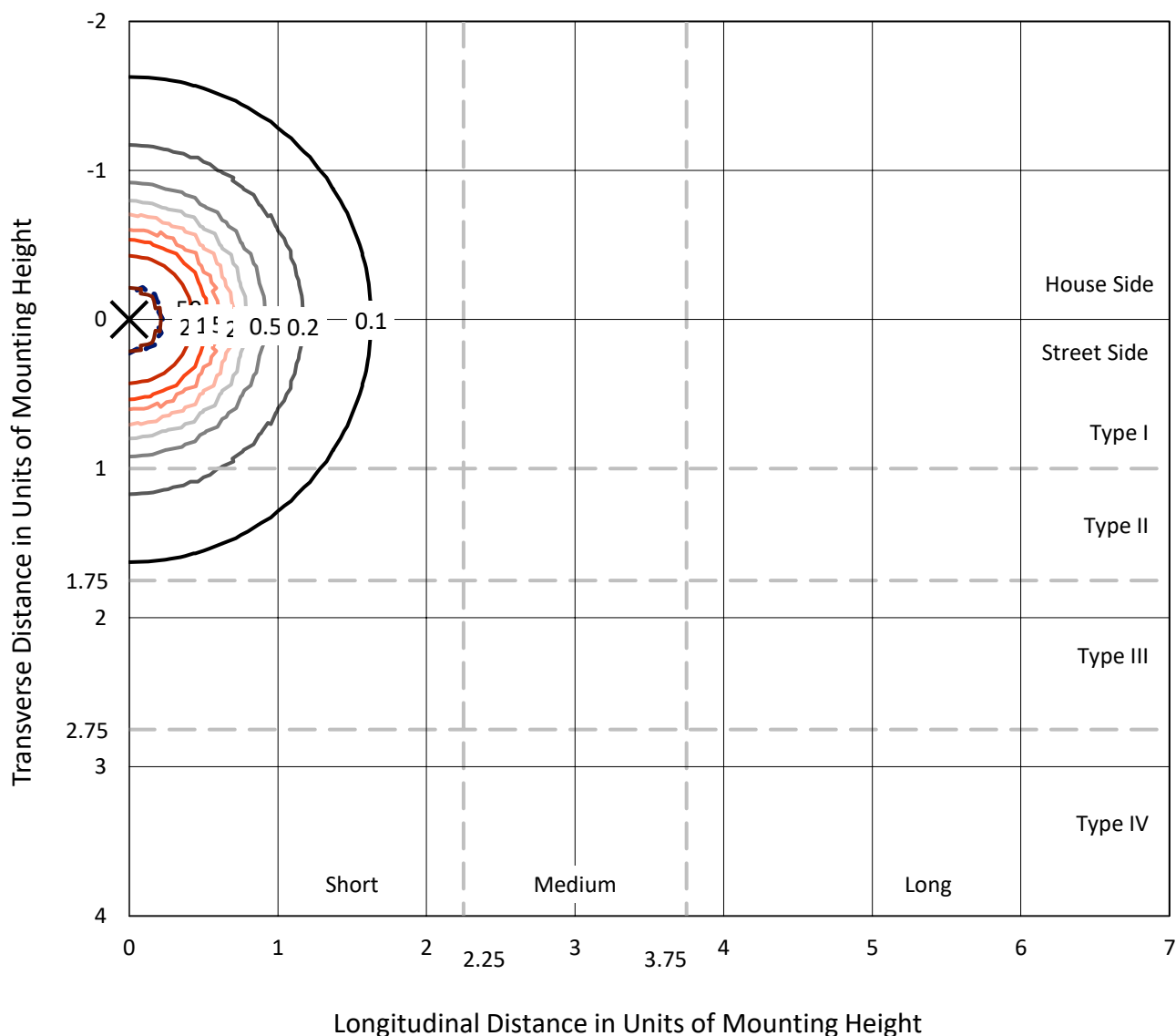
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

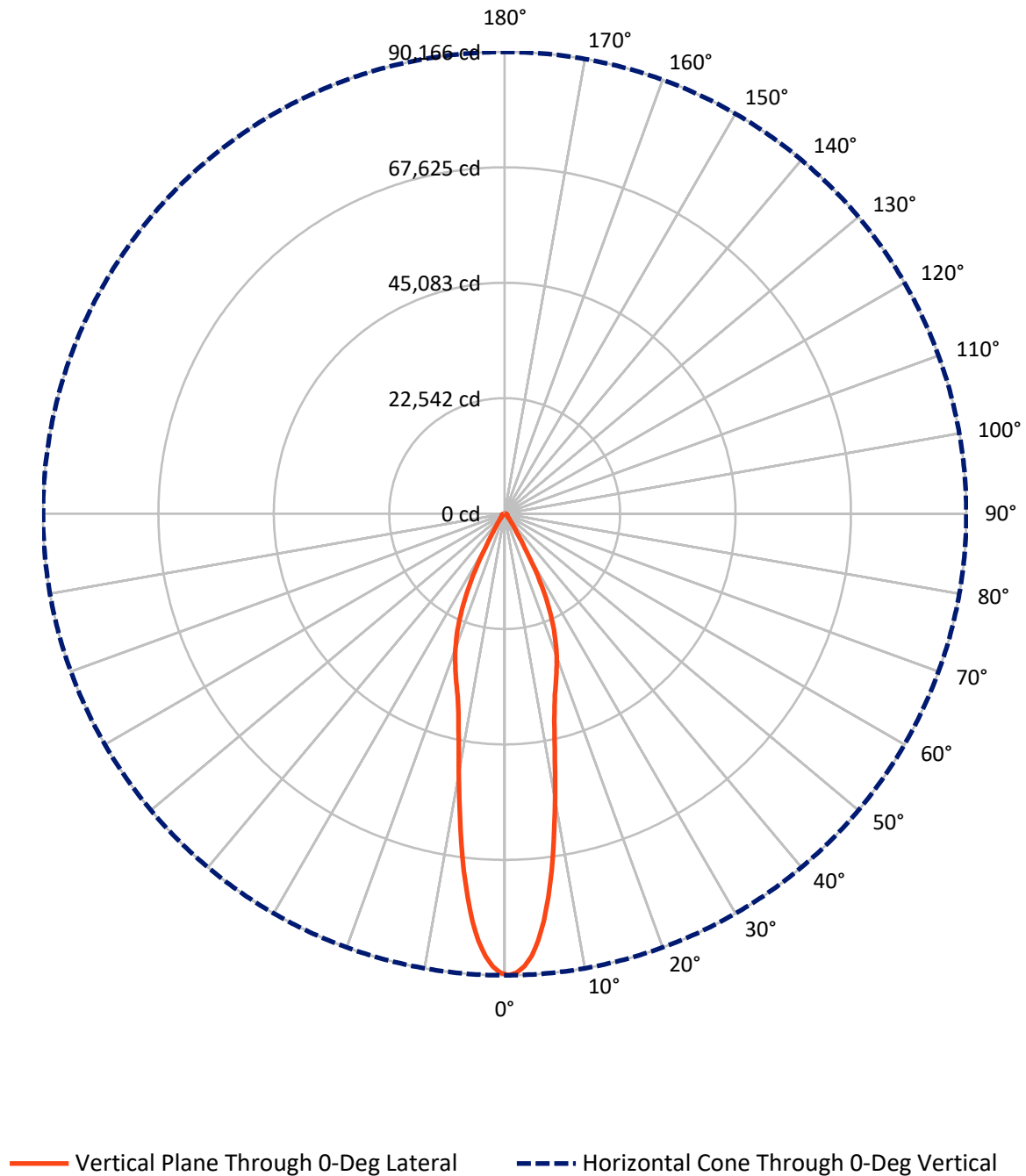


Based on 30 foot mounting height. Maximum calculated value = 100.2 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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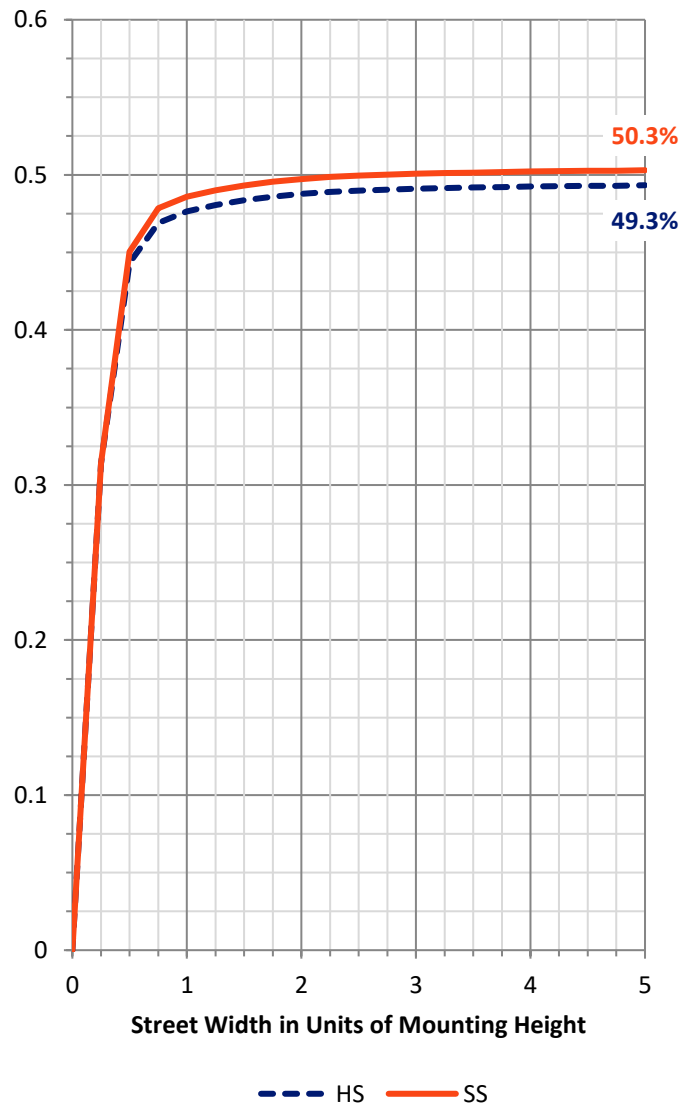
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15041.4	0.0	15041.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15041.4	0.0	15041.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	30082.8	0.0	30082.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6749.6	22.4
10°-20°	10526.3	35.0
20°-30°	8529.8	28.4
30°-40°	2070.2	6.9
40°-50°	696.7	2.3
50°-60°	550.6	1.8
60°-70°	549.1	1.8
70°-80°	303.0	1.0
80°-90°	107.4	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°	30082.8	100.0
0°-180°	30082.8	100.0

Coefficient of Utilization



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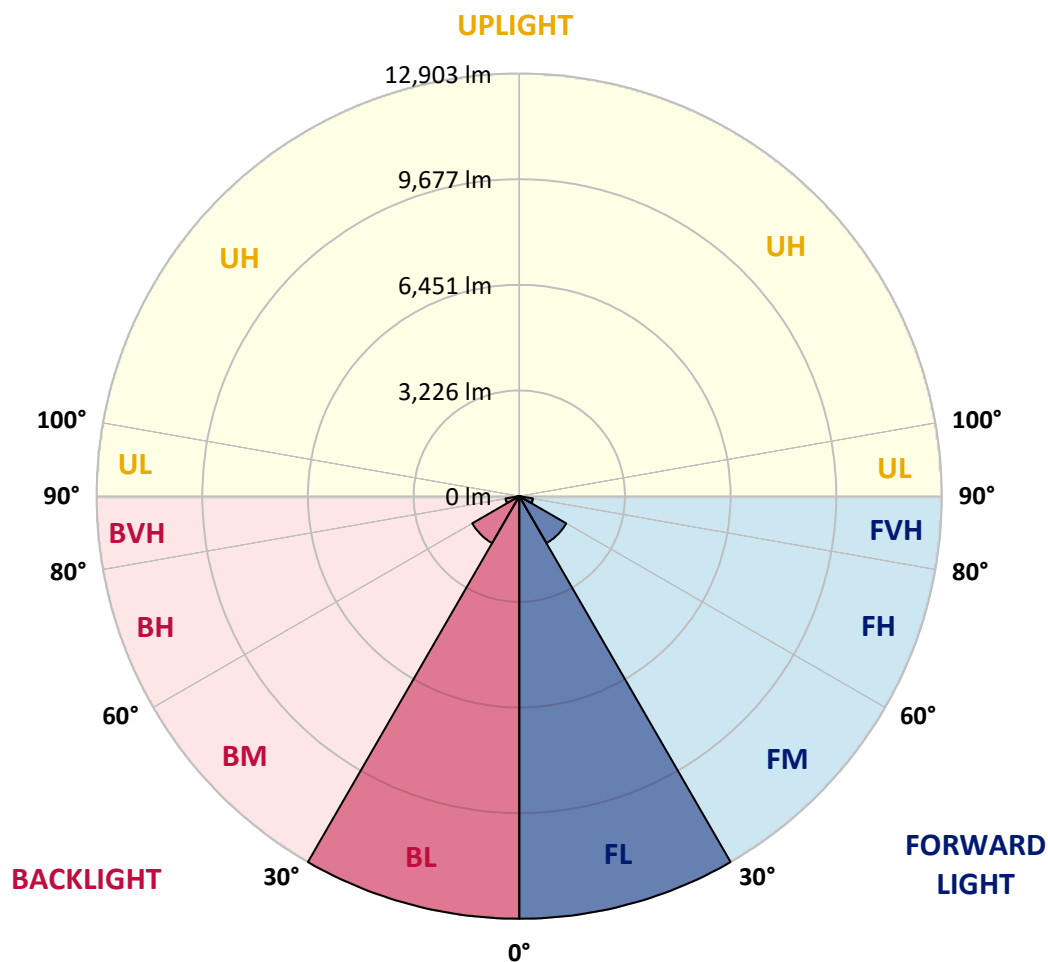
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	12902.9	42.9			
FM	(30°-60°)	1658.7	5.5			
FH	(60°-80°)	426.1	1.4			G0/660
FVH	(80°-90°)	53.7	0.2			G1/100
BL	(0°-30°)	12902.9	42.9	B5		
BM	(30°-60°)	1658.7	5.5	B2/2500		
BH	(60°-80°)	426.1	1.4	B1/500		G0/660
BVH	(80°-90°)	53.7	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°	90166.0
1°	89696.6
2°	88490.4
3°	86490.2
4°	83617.1
5°	79910.6
6°	75370.8
7°	70295.8
8°	64786.5
9°	59242.1
10°	53939.0
11°	49166.7
12°	44986.5
13°	41552.0
14°	38814.9
15°	36661.2
17.5°	32674.0
20°	28963.1
22.5°	24616.2
25°	19567.5
27.5°	13812.6
30°	7505.1
32.5°	4316.2
35°	2881.8
37.5°	1965.1
40°	1399.2
42.5°	1083.4
45°	846.6
47.5°	693.0
50°	636.0
52.5°	605.3
55°	592.2
57.5°	614.1
60°	649.2
62.5°	636.0
65°	565.8
67.5°	486.9
70°	412.3
72.5°	342.1
75°	280.7
77.5°	228.1
80°	184.2
82.5°	149.1
85°	114.0
87.5°	39.5

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)