

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: P525532

Luminaire Tested: **IFLD-M-SA4D-935-U-44**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525532
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4D-935-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (64) 3500K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21355 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): 249.7
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

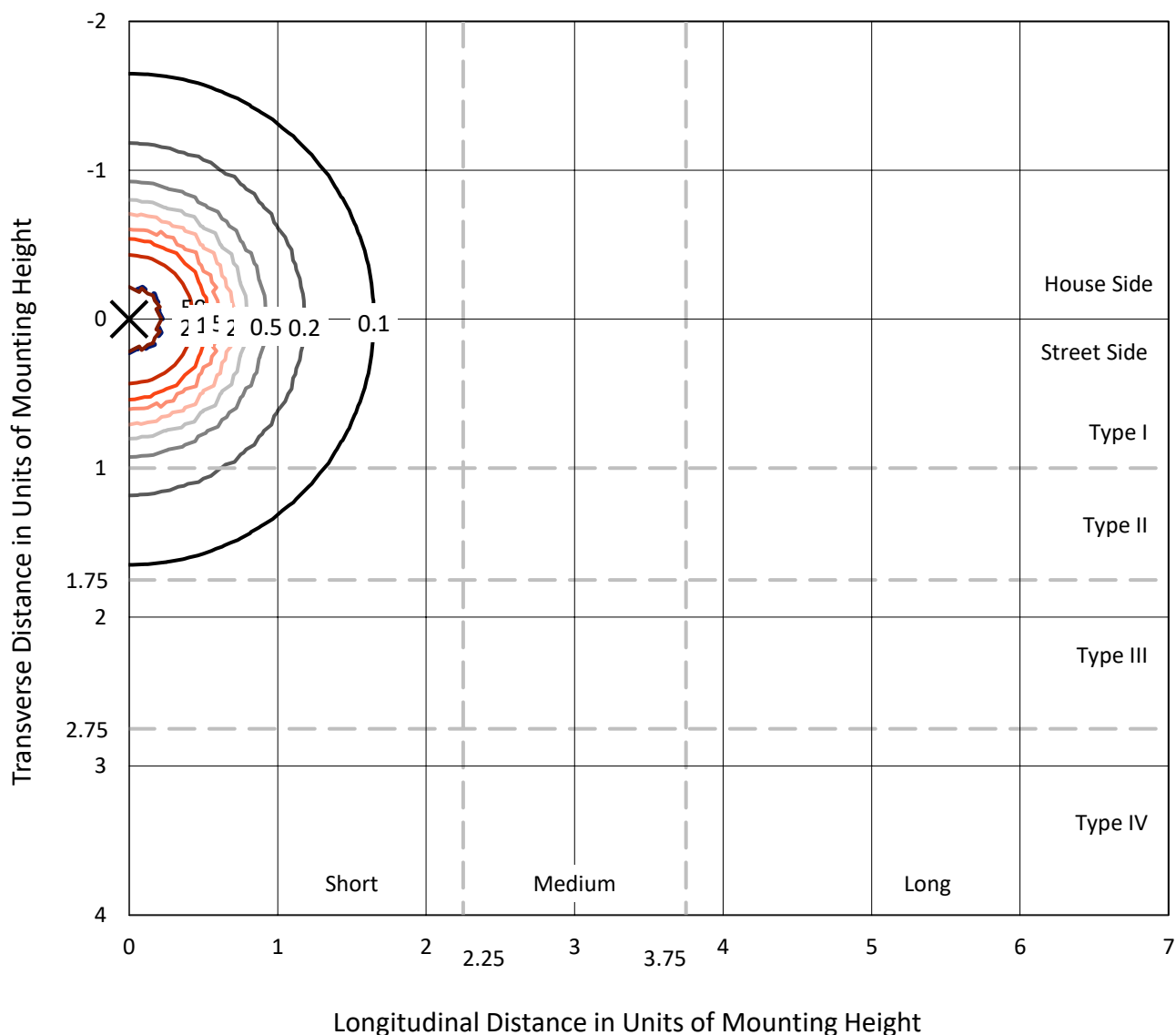
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

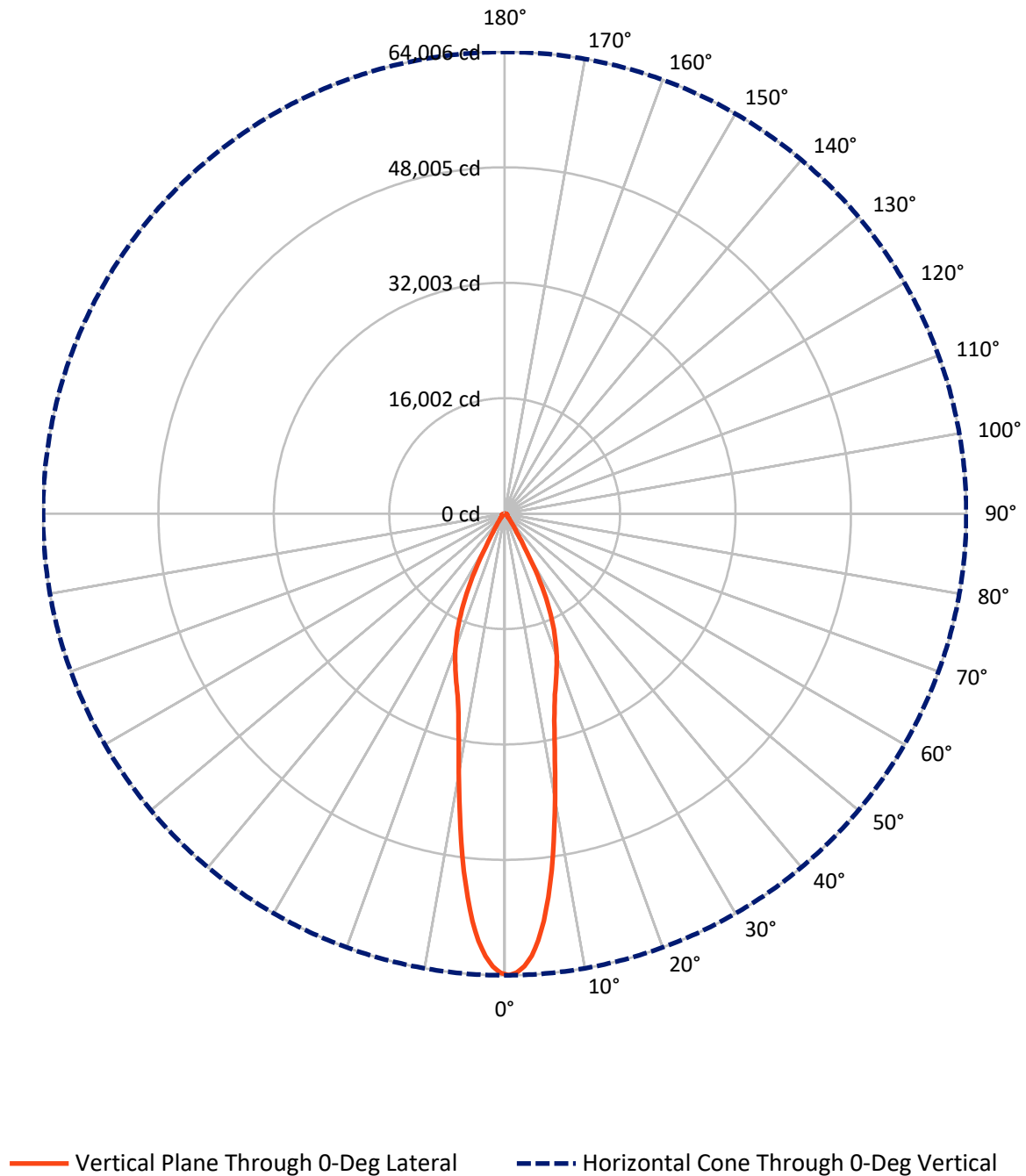


Based on 25 foot mounting height. Maximum calculated value = 102.4 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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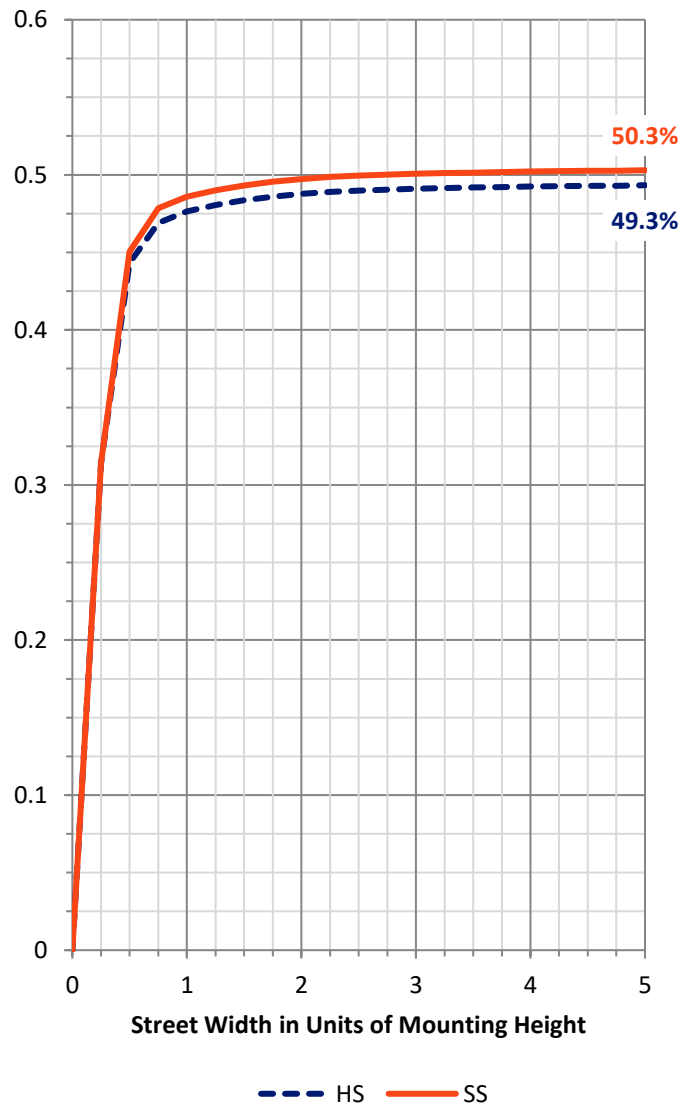
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10677.5	0.0	10677.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10677.5	0.0	10677.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21355.0	0.0	21355.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4791.3	22.4
10°-20°	7472.3	35.0
20°-30°	6055.1	28.4
30°-40°	1469.6	6.9
40°-50°	494.6	2.3
50°-60°	390.8	1.8
60°-70°	389.8	1.8
70°-80°	215.1	1.0
80°-90°	76.3	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°	21355.0	100.0
0°-180°	21355.0	100.0

Coefficient of Utilization



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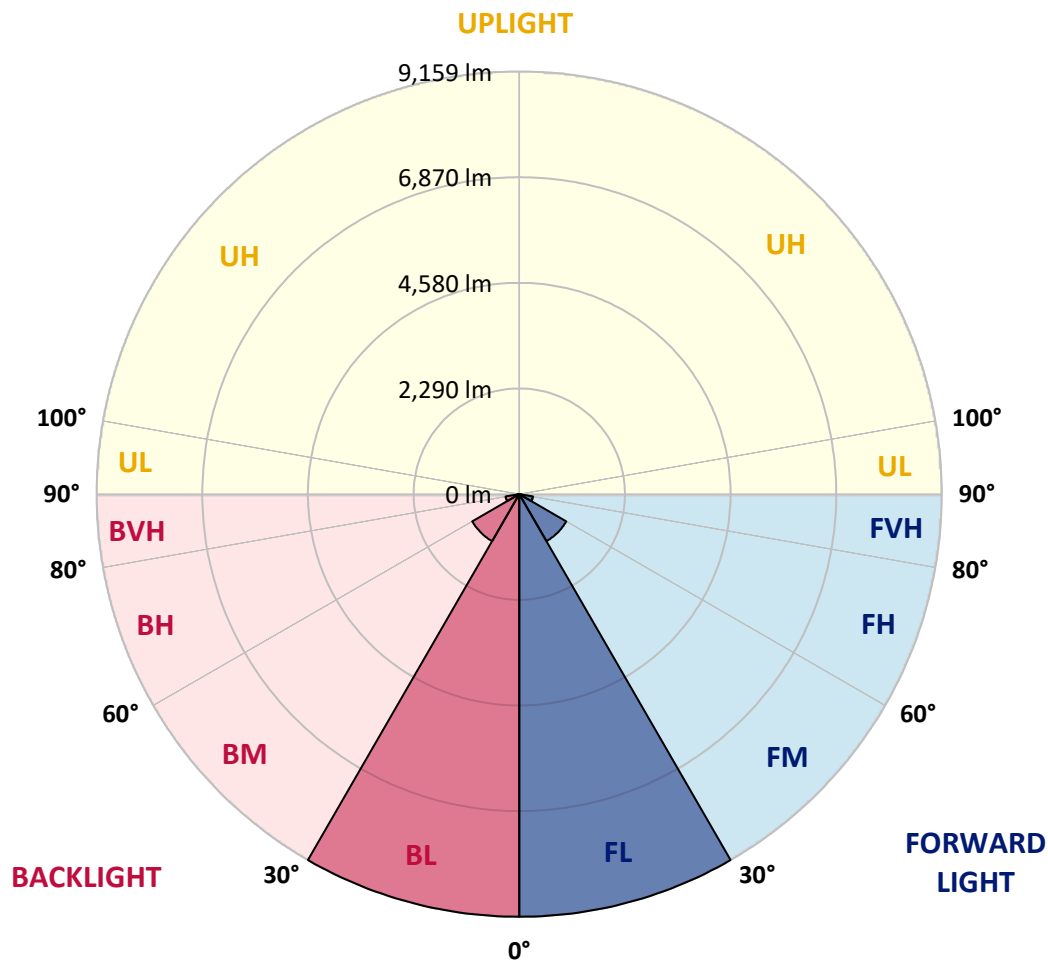
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9159.4	42.9			
FM	(30°-60°)	1177.5	5.5			
FH	(60°-80°)	302.5	1.4			G0/660
FVH	(80°-90°)	38.1	0.2			G1/100
BL	(0°-30°)	9159.4	42.9	B5		
BM	(30°-60°)	1177.5	5.5	B2/2500		
BH	(60°-80°)	302.5	1.4	B1/500		G0/660
BVH	(80°-90°)	38.1	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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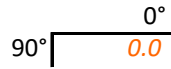
CANDELA DISTRIBUTION (FULL):

0°	
0°	64006.2
1°	63673.0
2°	62816.7
3°	61396.8
4°	59357.3
5°	56726.2
6°	53503.5
7°	49900.9
8°	45990.0
9°	42054.3
10°	38289.7
11°	34902.0
12°	31934.6
13°	29496.5
14°	27553.5
15°	26024.7
17.5°	23194.3
20°	20560.1
22.5°	17474.3
25°	13890.4
27.5°	9805.2
30°	5327.6
32.5°	3063.9
35°	2045.7
37.5°	1395.0
40°	993.3
42.5°	769.1
45°	601.0
47.5°	492.0
50°	451.5
52.5°	429.7
55°	420.4
57.5°	435.9
60°	460.8
62.5°	451.5
65°	401.7
67.5°	345.6
70°	292.7
72.5°	242.9
75°	199.3
77.5°	161.9
80°	130.8
82.5°	105.9
85°	81.0
87.5°	28.0



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)