

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: P525434

Luminaire Tested: **IFLD-S-SA3D-927-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525434
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-927-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (48) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15168.7 lumens
Efficiency: N/A
Efficacy: 82.4 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): 184.1
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

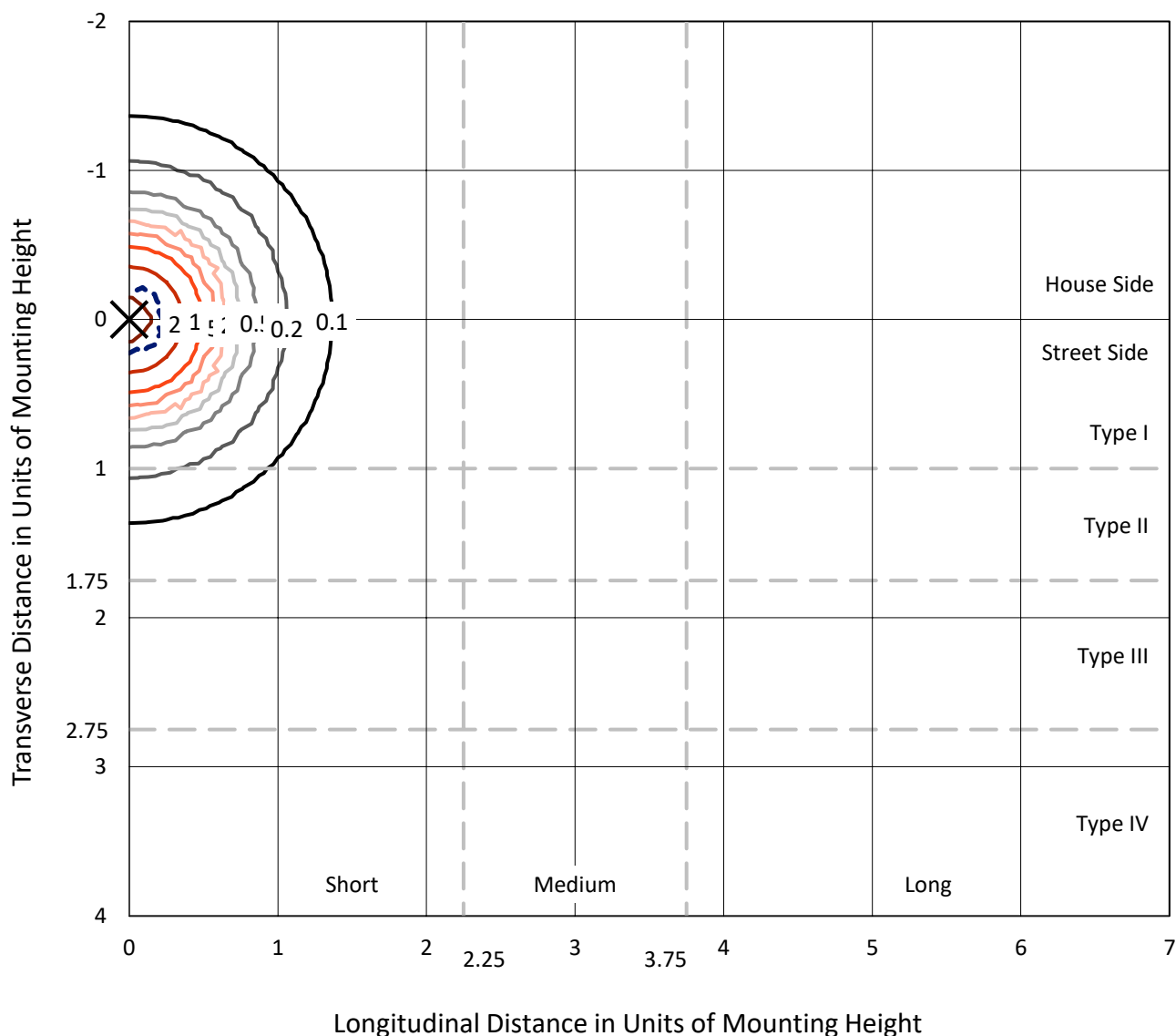
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

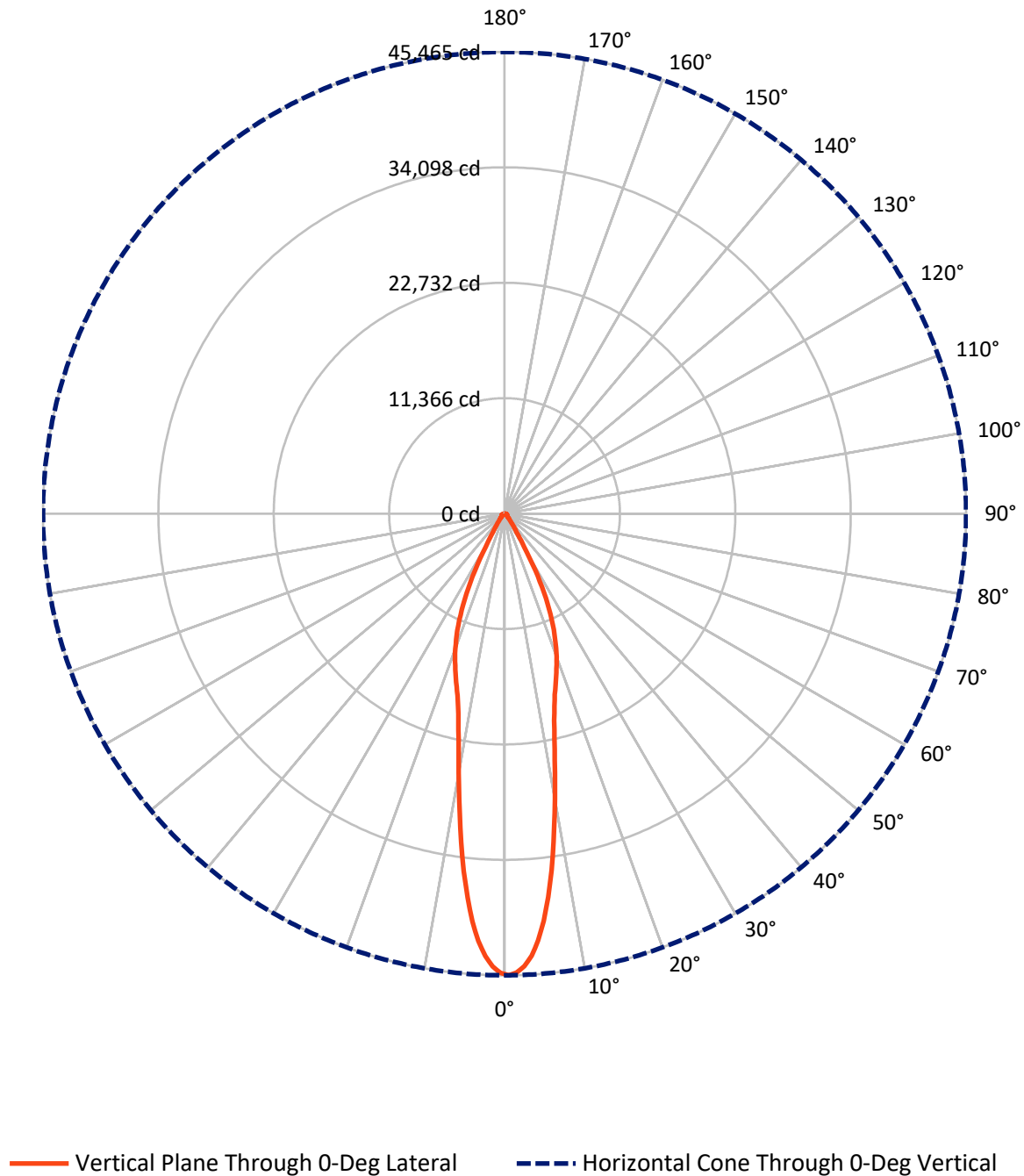


Based on 25 foot mounting height. Maximum calculated value = 72.7 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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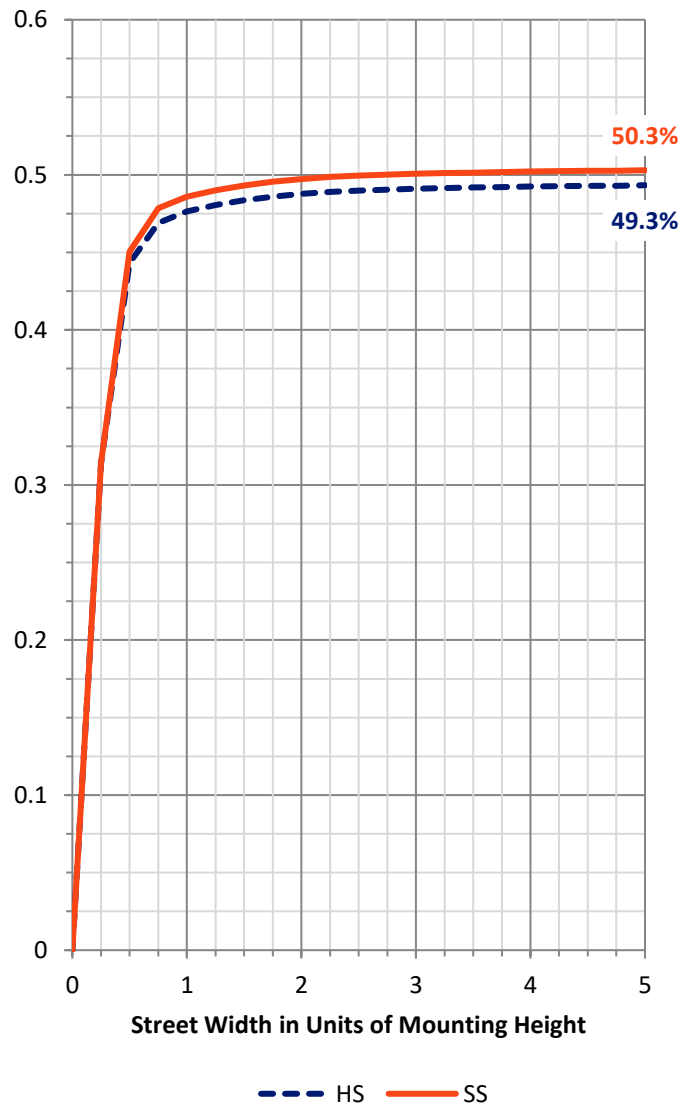
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7584.4	0.0	7584.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7584.4	0.0	7584.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	15168.7	0.0	15168.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3403.4	22.4
10°-20°	5307.7	35.0
20°-30°	4301.0	28.4
30°-40°	1043.9	6.9
40°-50°	351.3	2.3
50°-60°	277.6	1.8
60°-70°	276.9	1.8
70°-80°	152.8	1.0
80°-90°	54.2	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°	15168.7	100.0
0°-180°	15168.7	100.0

Coefficient of Utilization



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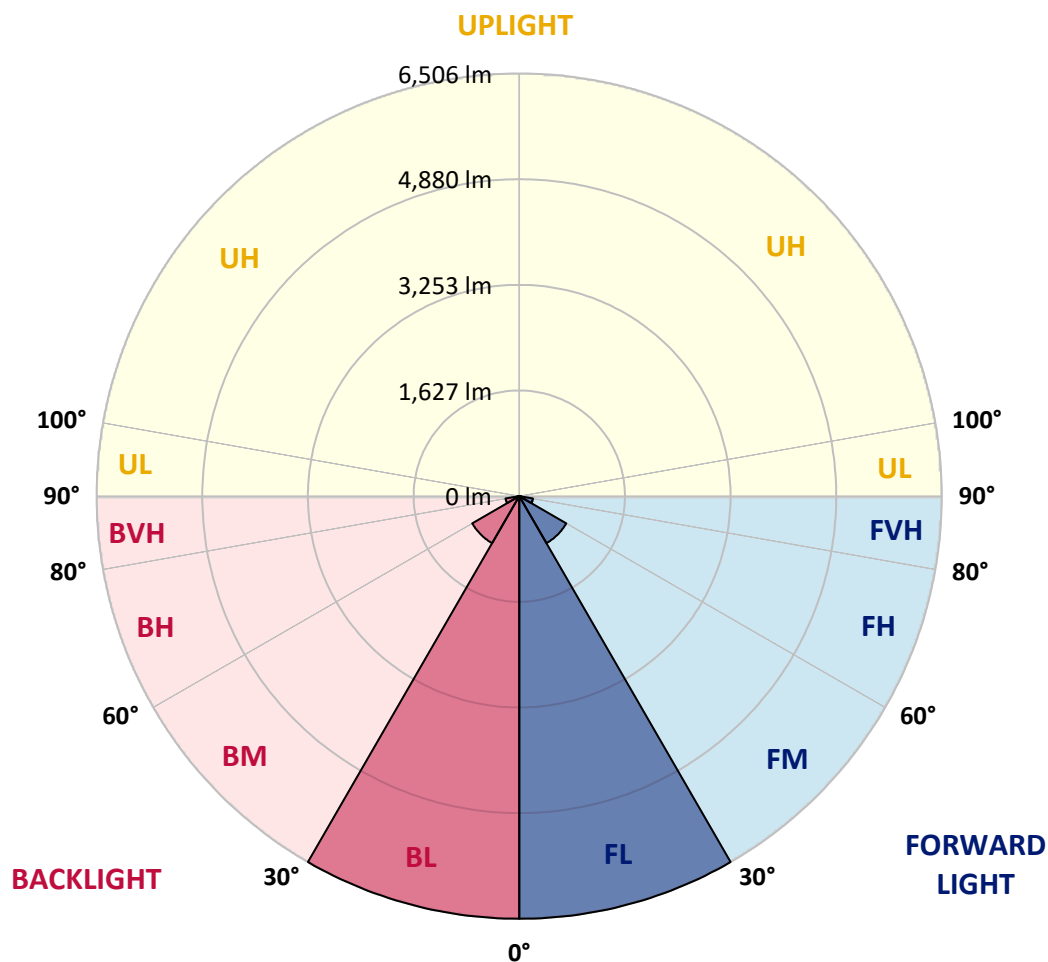
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	6506.0	42.9			
FM	(30°-60°)	836.4	5.5			
FH	(60°-80°)	214.8	1.4			G0/660
FVH	(80°-90°)	27.1	0.2			G1/100
BL	(0°-30°)	6506.0	42.9	B5		
BM	(30°-60°)	836.4	5.5	B1/1000		
BH	(60°-80°)	214.8	1.4	B1/500		G0/660
BVH	(80°-90°)	27.1	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°	45464.5
1°	45227.8
2°	44619.6
3°	43611.1
4°	42162.4
5°	40293.5
6°	38004.3
7°	35445.3
8°	32667.4
9°	29871.7
10°	27197.8
11°	24791.4
12°	22683.6
13°	20951.8
14°	19571.7
15°	18485.7
17.5°	16475.2
20°	14604.1
22.5°	12412.3
25°	9866.6
27.5°	6964.8
30°	3784.3
32.5°	2176.4
35°	1453.1
37.5°	990.9
40°	705.5
42.5°	546.3
45°	426.9
47.5°	349.5
50°	320.7
52.5°	305.2
55°	298.6
57.5°	309.6
60°	327.3
62.5°	320.7
65°	285.3
67.5°	245.5
70°	207.9
72.5°	172.5
75°	141.6
77.5°	115.0
80°	92.9
82.5°	75.2
85°	57.5
87.5°	19.9



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)