

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: P525451

Luminaire Tested: **IFLD-M-SA4A-927-U-44**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525451
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-927-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44 distribution lens
Light Source: (64) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12019 lumens
Efficiency: N/A
Efficacy: 93.5 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): 128.6
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

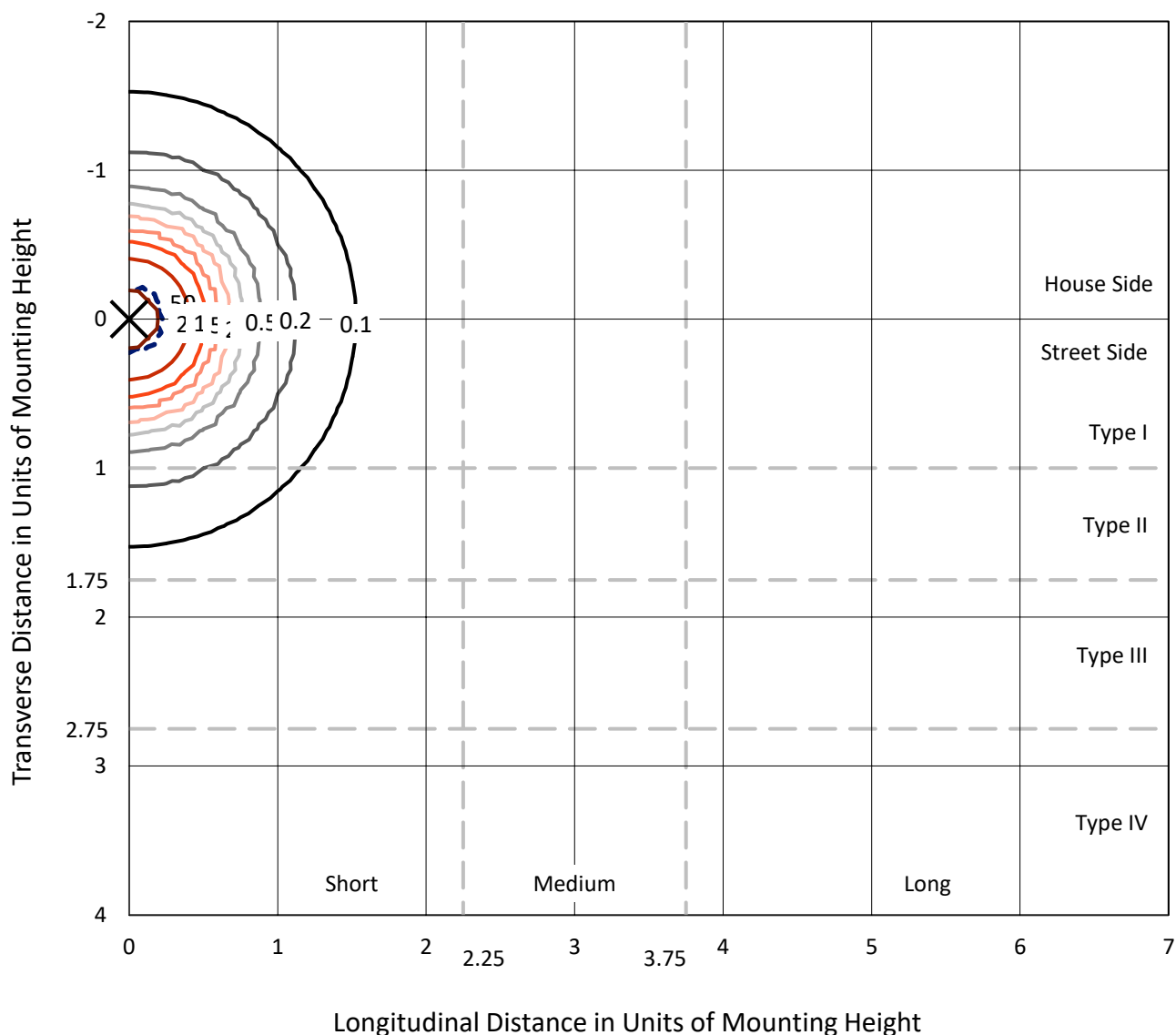
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

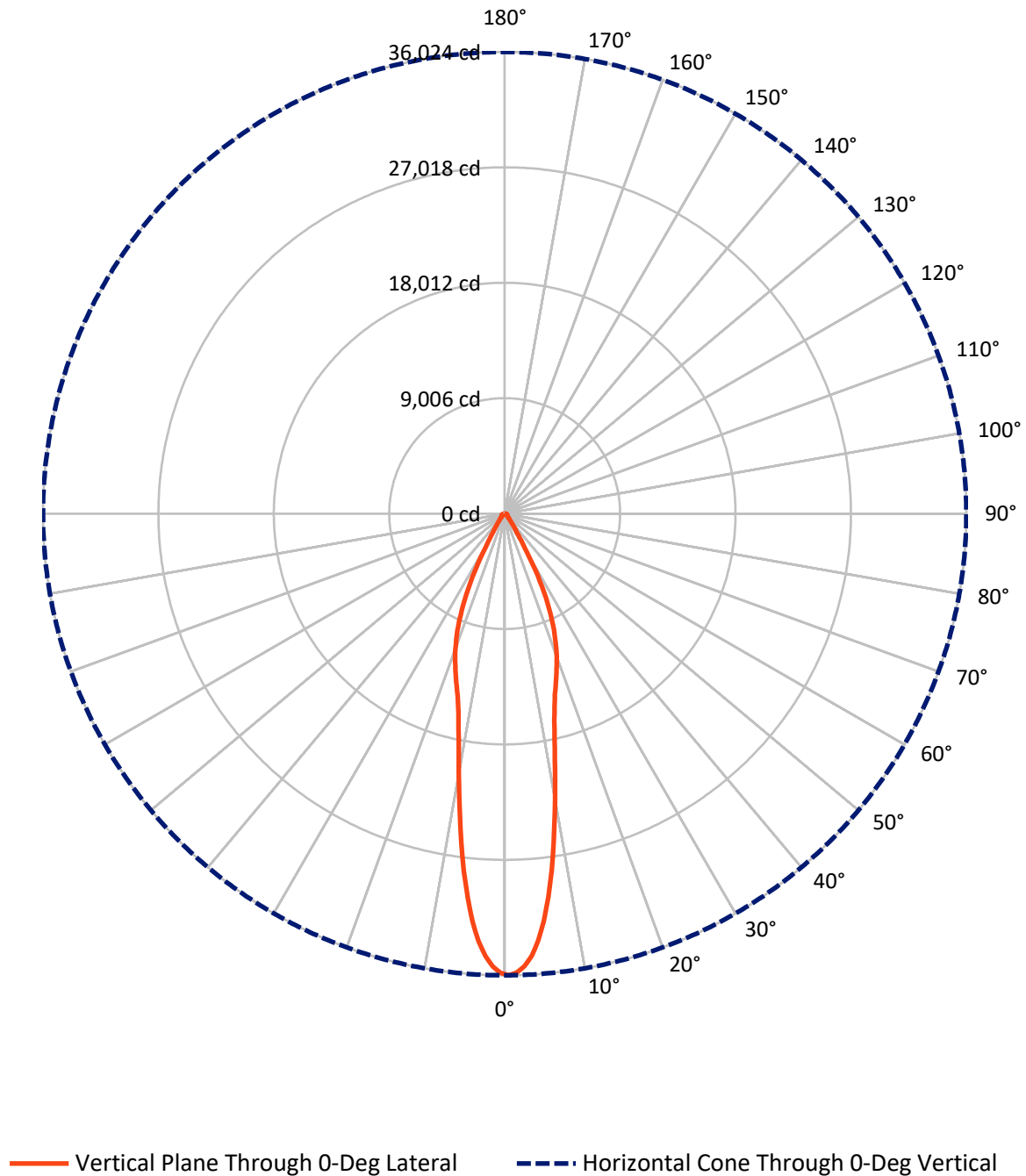


Based on 20 foot mounting height. Maximum calculated value = 90.1 fc

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	6009.5	0.0	6009.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6009.5	0.0	6009.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	12019.0	0.0	12019.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2696.7	22.4
10°-20°	4205.6	35.0
20°-30°	3407.9	28.4
30°-40°	827.1	6.9
40°-50°	278.4	2.3
50°-60°	220.0	1.8
60°-70°	219.4	1.8
70°-80°	121.1	1.0
80°-90°	42.9	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°	12019.0	100.0
0°-180°	12019.0	100.0

Coefficient of Utilization



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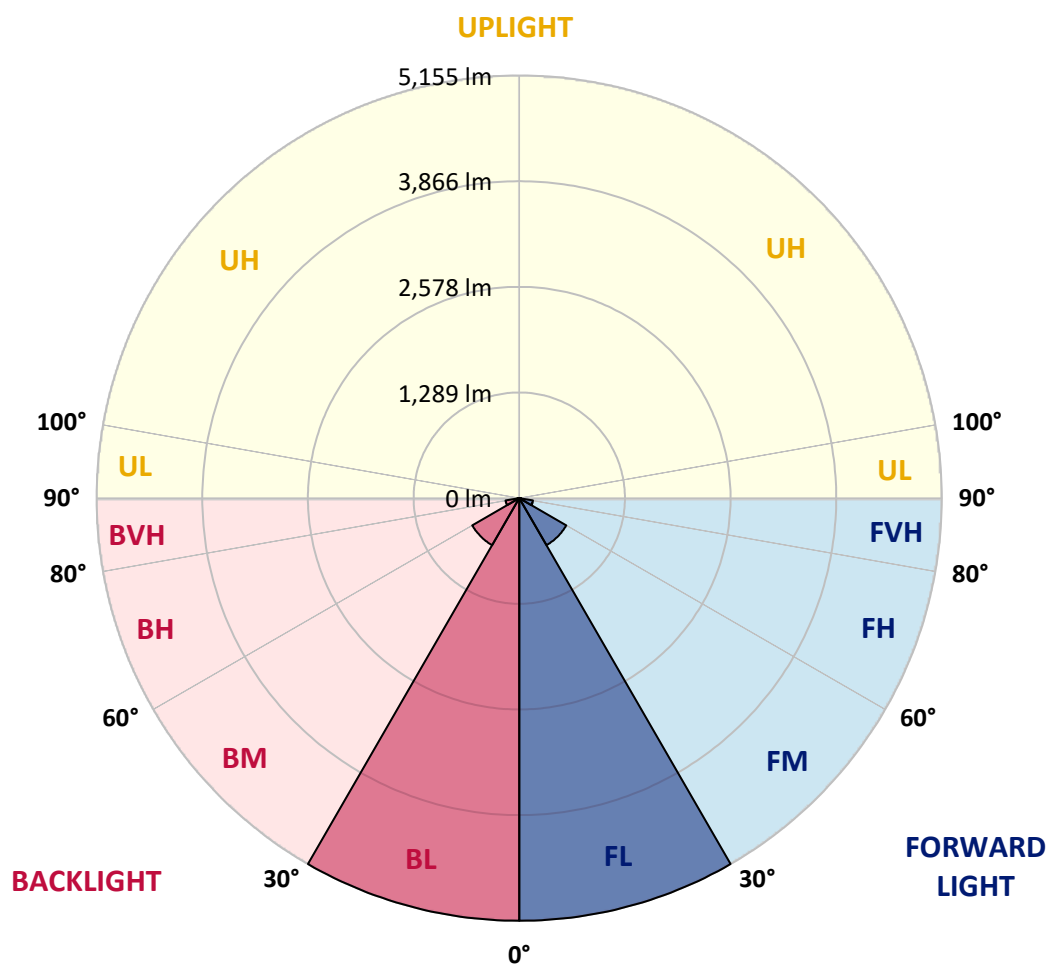
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5155.1	42.9			
FM	(30°-60°)	662.7	5.5			
FH	(60°-80°)	170.2	1.4			G0/660
FVH	(80°-90°)	21.5	0.2			G1/100
BL	(0°-30°)	5155.1	42.9	B5		
BM	(30°-60°)	662.7	5.5	B1/1000		
BH	(60°-80°)	170.2	1.4	B1/500		G0/660
BVH	(80°-90°)	21.5	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°	36023.9
1°	35836.4
2°	35354.5
3°	34555.3
4°	33407.5
5°	31926.6
6°	30112.8
7°	28085.2
8°	25884.1
9°	23669.0
10°	21550.2
11°	19643.5
12°	17973.4
13°	16601.2
14°	15507.7
15°	14647.2
17.5°	13054.2
20°	11571.6
22.5°	9834.9
25°	7817.8
27.5°	5518.5
30°	2998.5
32.5°	1724.4
35°	1151.4
37.5°	785.1
40°	559.0
42.5°	432.9
45°	338.2
47.5°	276.9
50°	254.1
52.5°	241.8
55°	236.6
57.5°	245.3
60°	259.4
62.5°	254.1
65°	226.1
67.5°	194.5
70°	164.7
72.5°	136.7
75°	112.2
77.5°	91.1
80°	73.6
82.5°	59.6
85°	45.6
87.5°	15.8

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)