

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: P525447

Luminaire Tested: **IFLD-S-SA6B-927-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525447
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-927-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (96) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21724.2 lumens
Efficiency: N/A
Efficacy: 88.7 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): 244.9
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

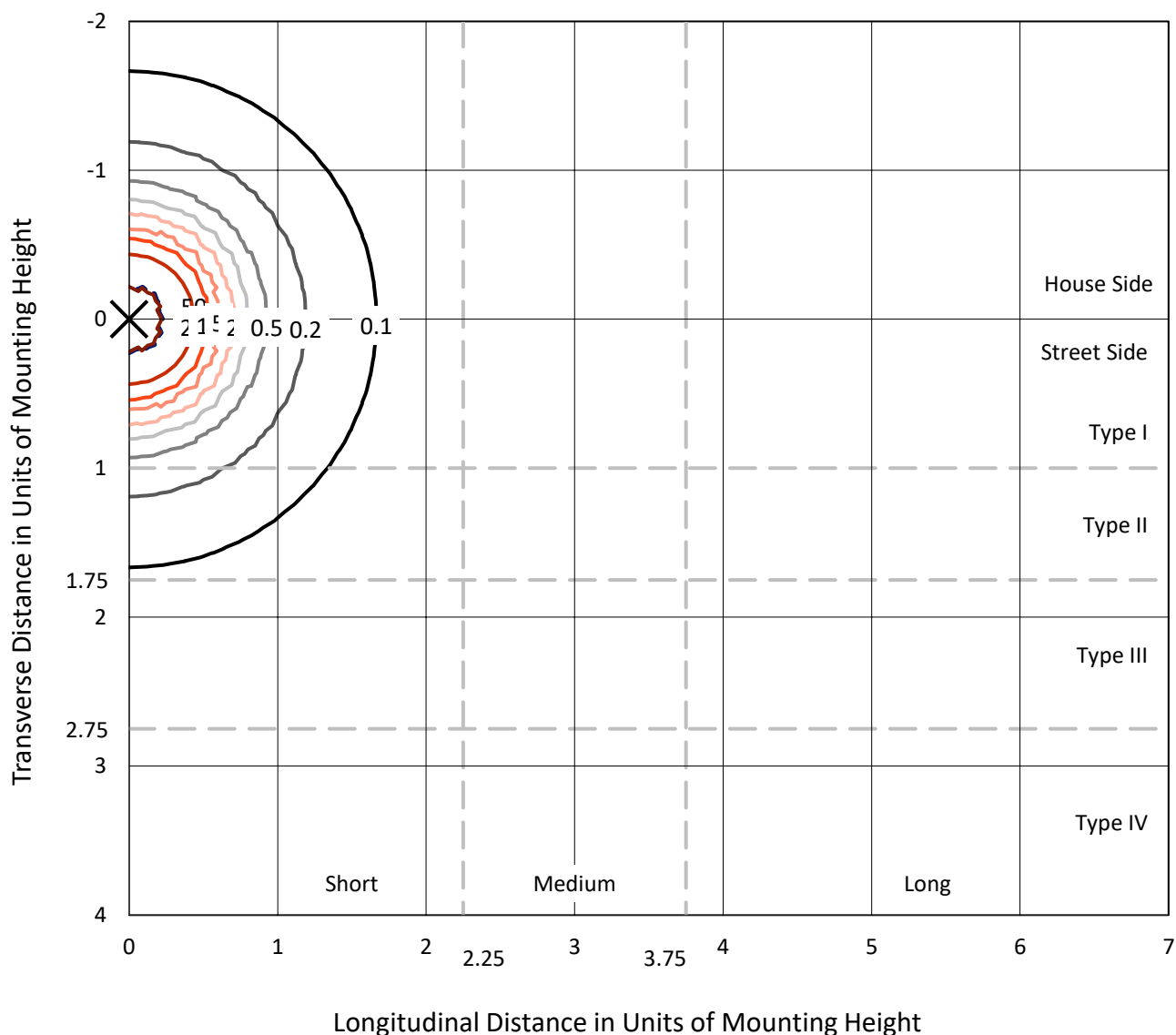
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

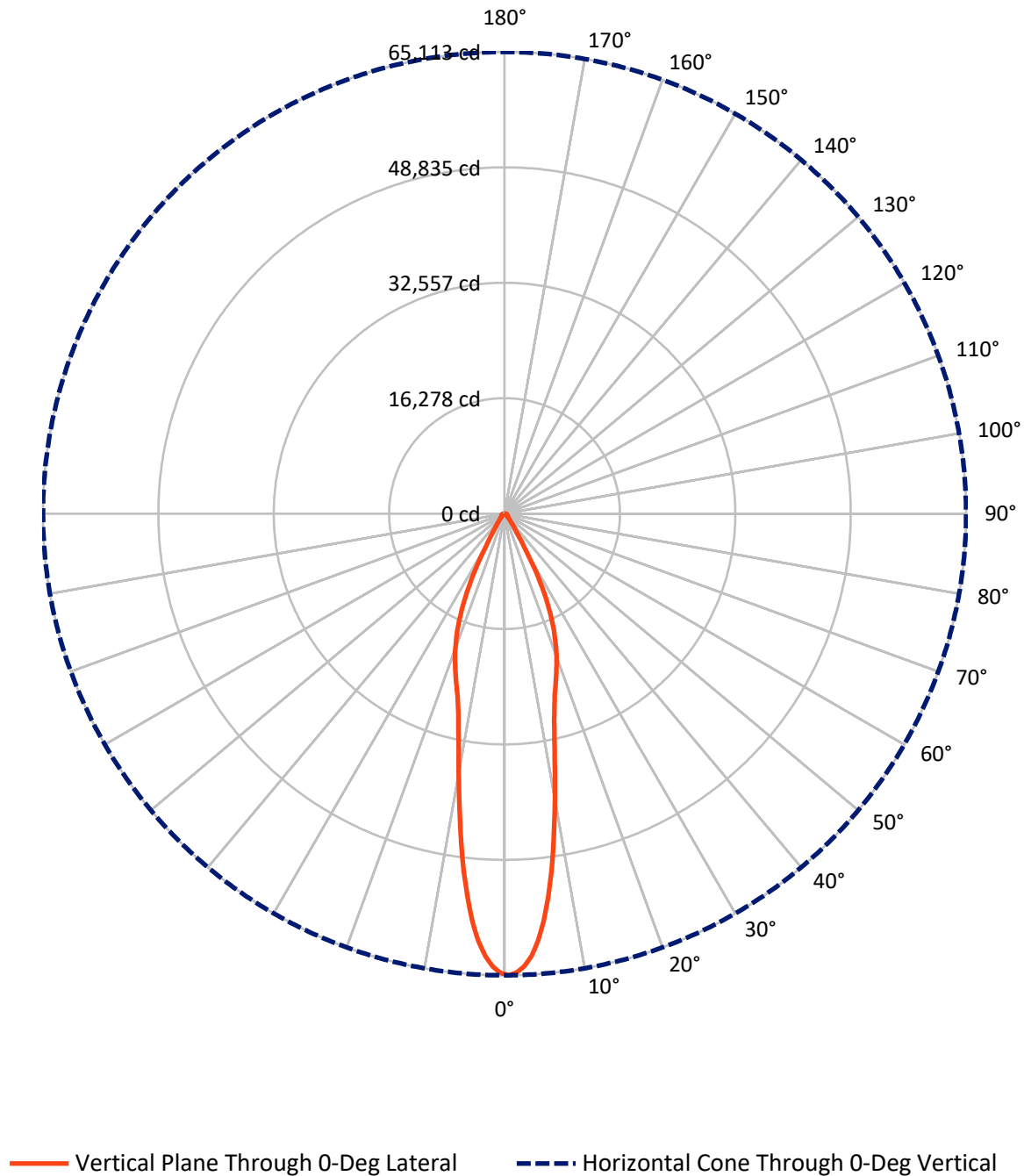


Based on 25 foot mounting height. Maximum calculated value = 104.2 fc

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	10862.1	0.0	10862.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10862.1	0.0	10862.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	21724.2	0.0	21724.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4874.2	22.4
10°-20°	7601.6	35.0
20°-30°	6159.8	28.4
30°-40°	1495.0	6.9
40°-50°	503.1	2.3
50°-60°	397.6	1.8
60°-70°	396.6	1.8
70°-80°	218.8	1.0
80°-90°	77.6	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°	21724.2	100.0
0°-180°	21724.2	100.0

Coefficient of Utilization



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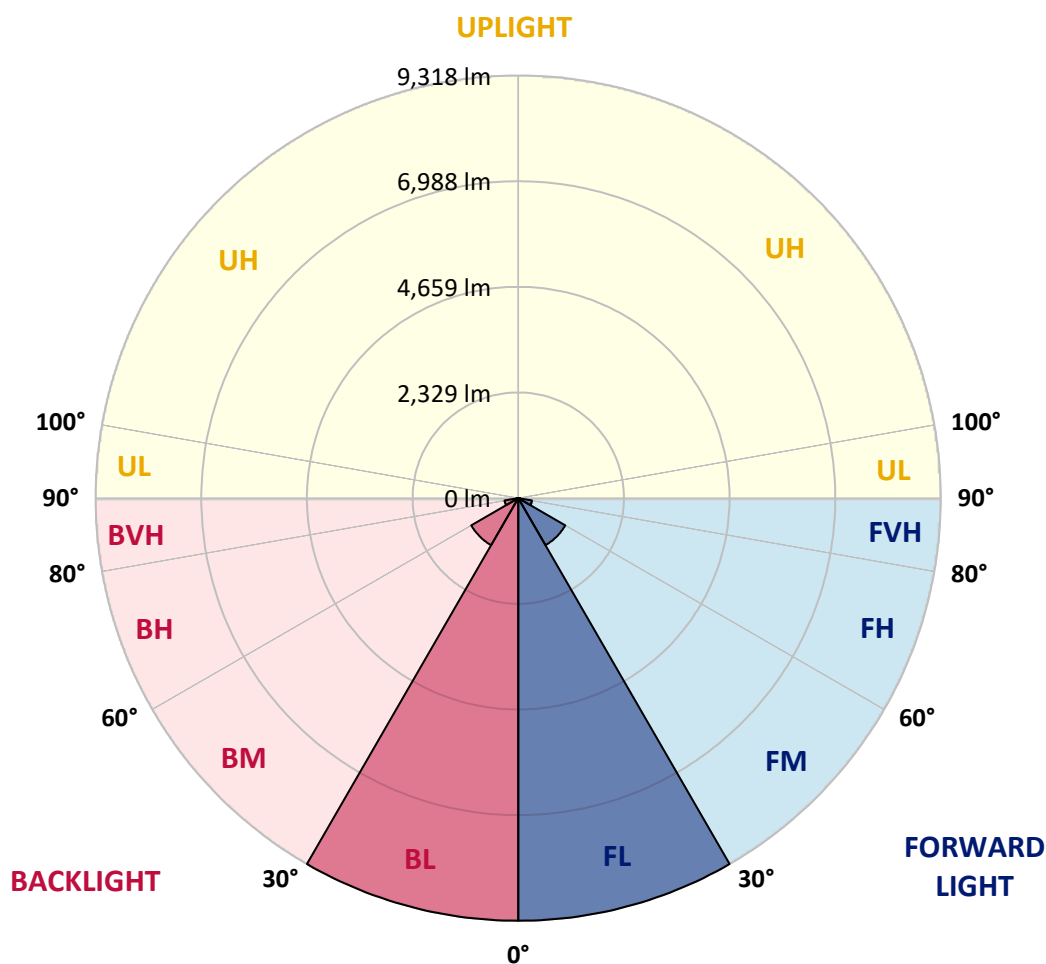
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	9317.8	42.9			
FM	(30°-60°)	1197.8	5.5			
FH	(60°-80°)	307.7	1.4			G0/660
FVH	(80°-90°)	38.8	0.2			G1/100
BL	(0°-30°)	9317.8	42.9	B5		
BM	(30°-60°)	1197.8	5.5	B2/2500		
BH	(60°-80°)	307.7	1.4	B1/500		G0/660
BVH	(80°-90°)	38.8	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°	65113.0
1°	64774.1
2°	63903.0
3°	62458.6
4°	60383.8
5°	57707.2
6°	54428.8
7°	50763.8
8°	46785.4
9°	42781.5
10°	38951.9
11°	35505.6
12°	32486.8
13°	30006.6
14°	28030.0
15°	26474.7
17.5°	23595.4
20°	20915.6
22.5°	17776.5
25°	14130.6
27.5°	9974.8
30°	5419.8
32.5°	3116.9
35°	2081.1
37.5°	1419.1
40°	1010.5
42.5°	782.4
45°	611.3
47.5°	500.5
50°	459.3
52.5°	437.1
55°	427.6
57.5°	443.5
60°	468.8
62.5°	459.3
65°	408.6
67.5°	351.6
70°	297.8
72.5°	247.1
75°	202.7
77.5°	164.7
80°	133.0
82.5°	107.7
85°	82.4
87.5°	28.5

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)