

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: P525448

Luminaire Tested: **IFLD-S-SA6C-927-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525448
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-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: 27042.8 lumens
Efficiency: N/A
Efficacy: 84.1 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): 321.5
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

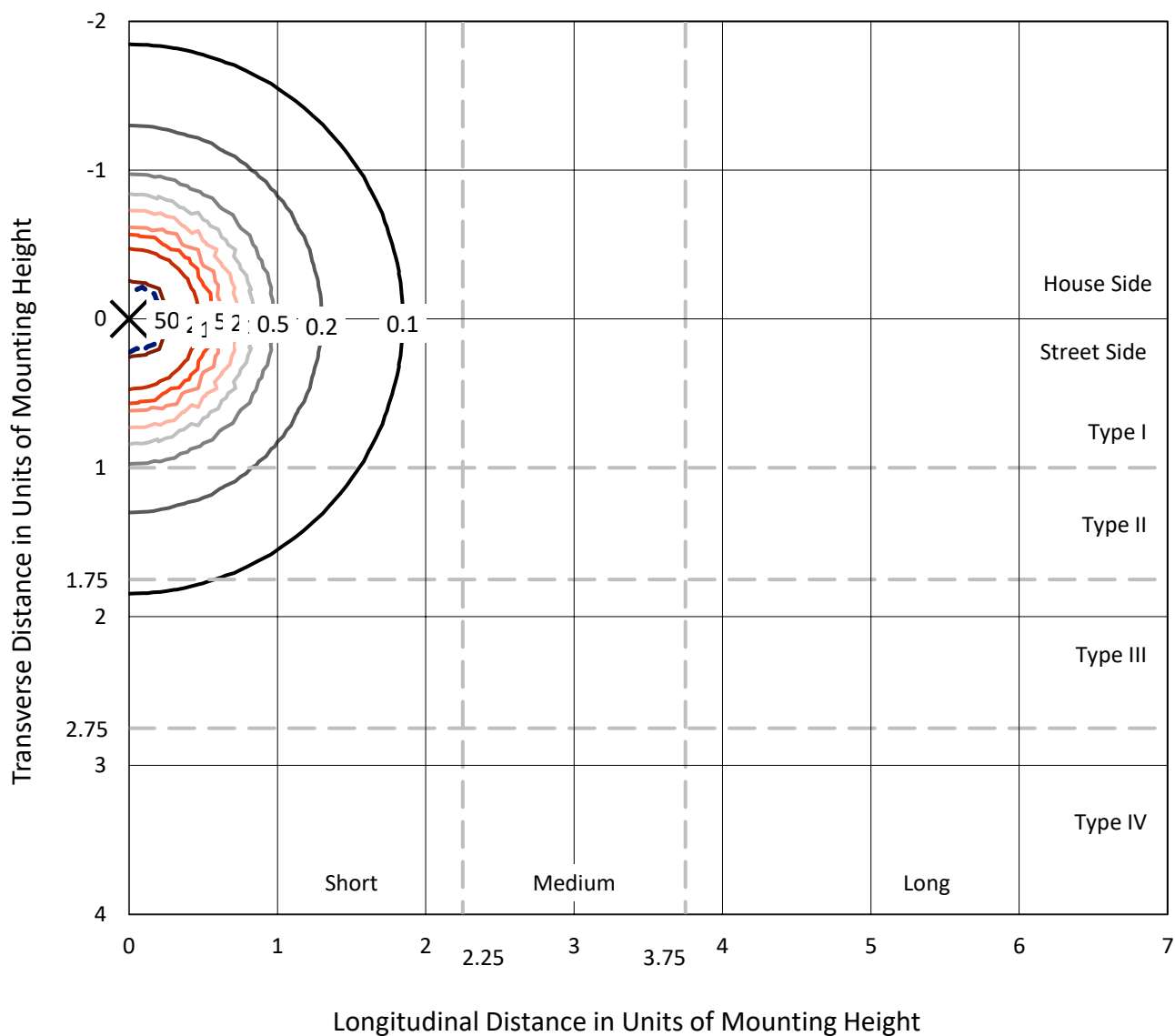
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

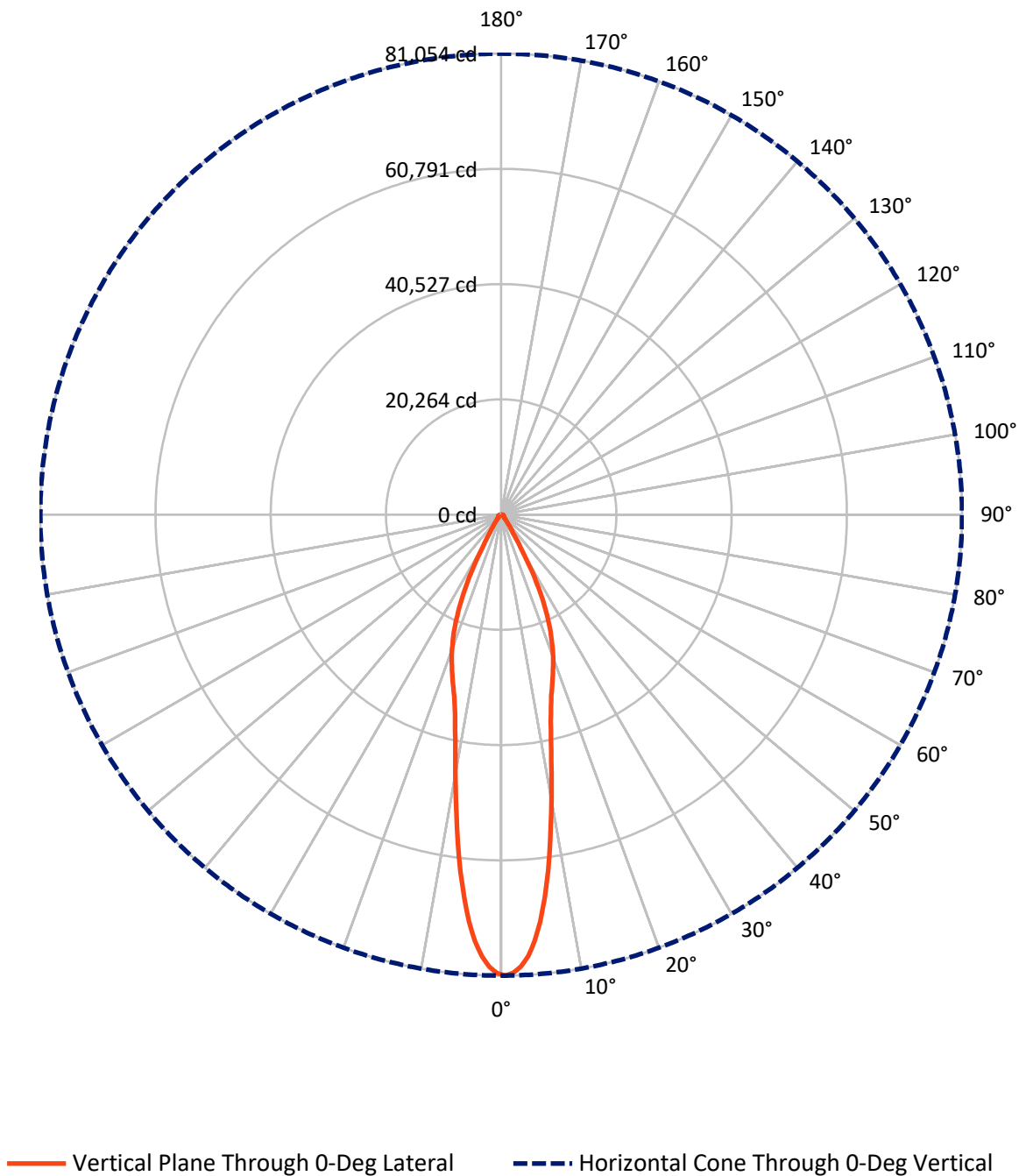


Based on 25 foot mounting height. Maximum calculated value = 129.7 fc

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	13521.4	0.0	13521.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13521.4	0.0	13521.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	27042.8	0.0	27042.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6067.5	22.4
10°-20°	9462.6	35.0
20°-30°	7667.9	28.4
30°-40°	1861.0	6.9
40°-50°	626.3	2.3
50°-60°	494.9	1.8
60°-70°	493.7	1.8
70°-80°	272.4	1.0
80°-90°	96.6	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°	27042.8	100.0
0°-180°	27042.8	100.0

Coefficient of Utilization



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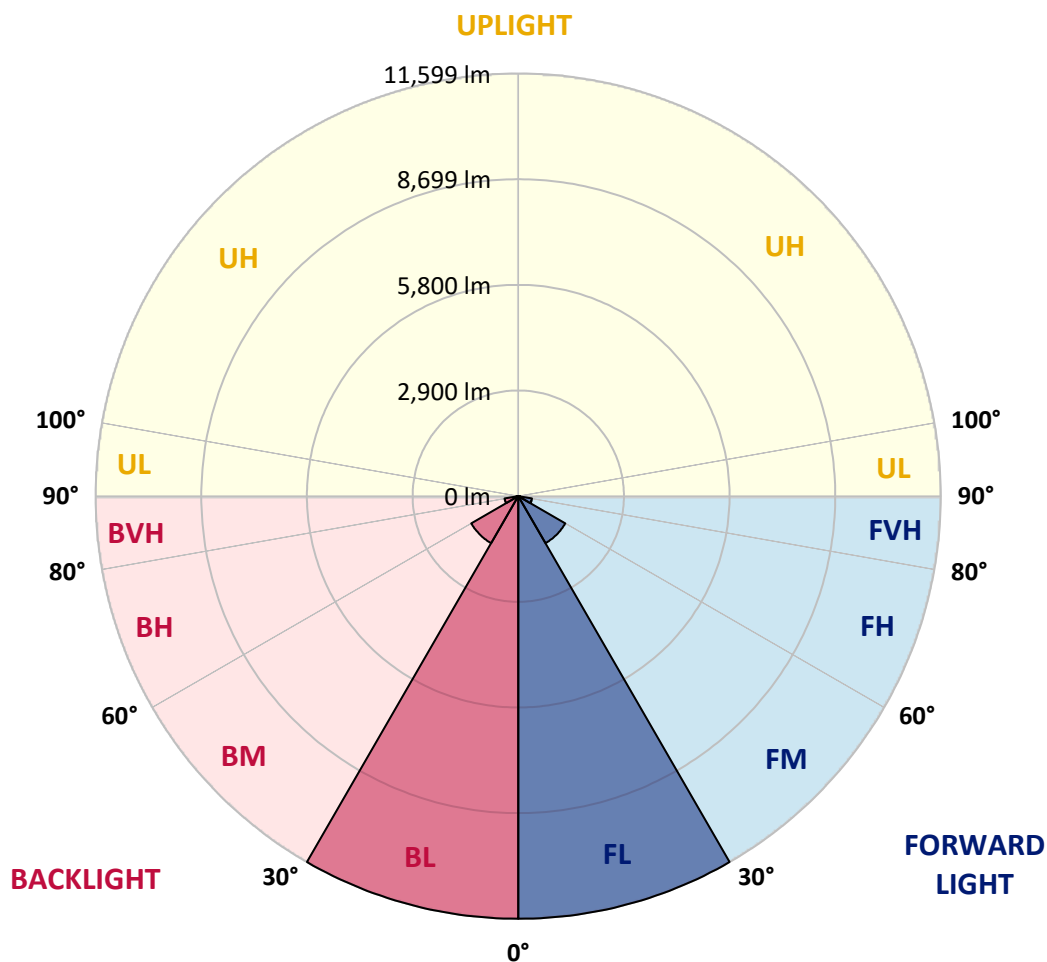
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	11599.0	42.9			
FM	(30°-60°)	1491.1	5.5			
FH	(60°-80°)	383.1	1.4			G0/660
FVH	(80°-90°)	48.3	0.2			G1/100
BL	(0°-30°)	11599.0	42.9	B5		
BM	(30°-60°)	1491.1	5.5	B2/2500		
BH	(60°-80°)	383.1	1.4	B1/500		G0/660
BVH	(80°-90°)	48.3	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°	81054.3
1°	80632.4
2°	79548.0
3°	77750.0
4°	75167.2
5°	71835.3
6°	67754.2
7°	63192.1
8°	58239.5
9°	53255.5
10°	48488.3
11°	44198.2
12°	40440.4
13°	37352.9
14°	34892.5
15°	32956.4
17.5°	29372.1
20°	26036.3
22.5°	22128.7
25°	17590.2
27.5°	12416.8
30°	6746.6
32.5°	3880.0
35°	2590.6
37.5°	1766.5
40°	1257.8
42.5°	973.9
45°	761.0
47.5°	623.0
50°	571.7
52.5°	544.1
55°	532.3
57.5°	552.0
60°	583.6
62.5°	571.7
65°	508.7
67.5°	437.7
70°	370.7
72.5°	307.6
75°	252.4
77.5°	205.0
80°	165.6
82.5°	134.1
85°	102.5
87.5°	35.5

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)