

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: P525460

Luminaire Tested: **IFLD-L-SA7E-927-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525460
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7E-927-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44 distribution lens
Light Source: (112) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

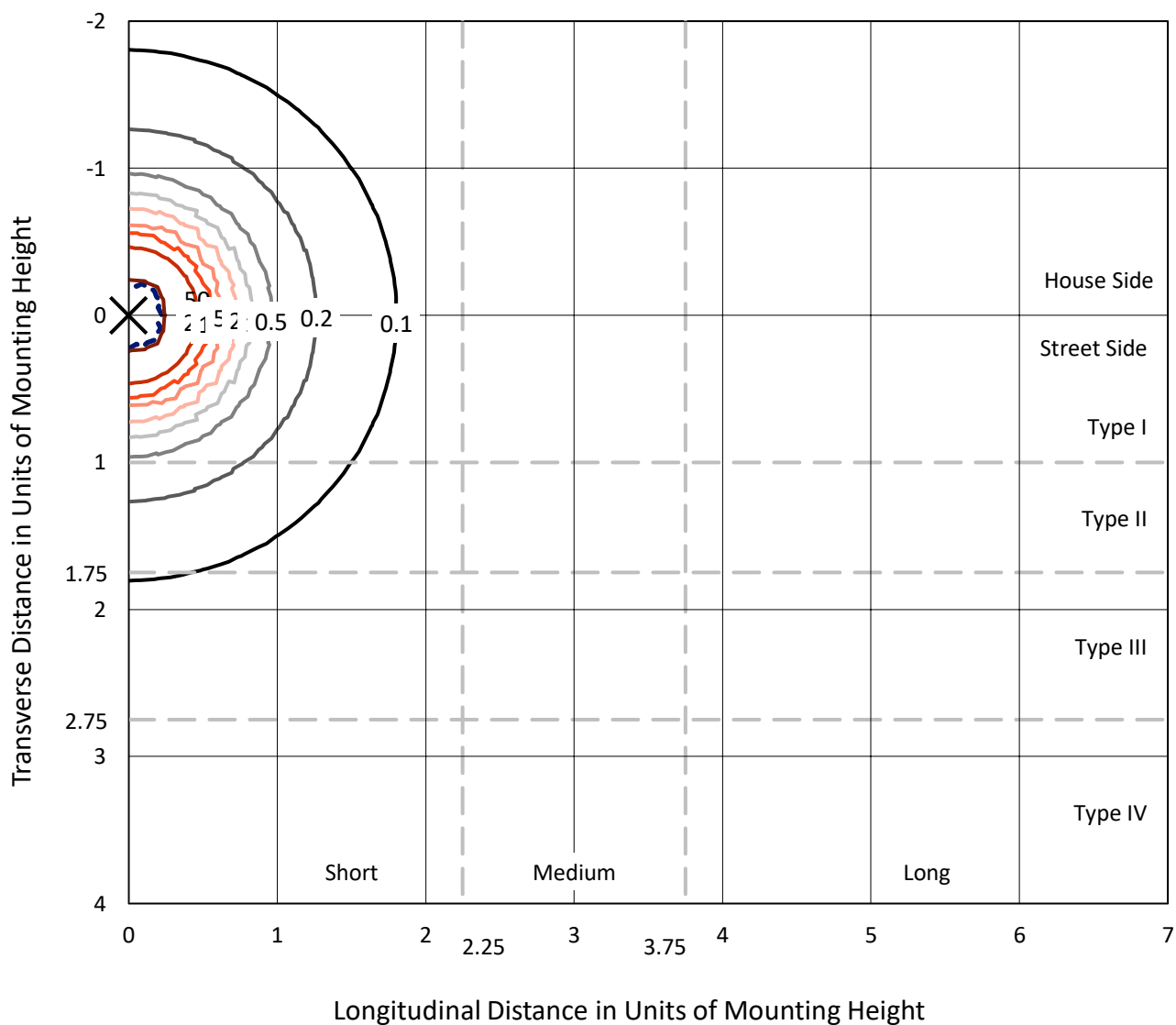
Lumens per Lamp: N/A
Luminaire Lumens: 36739.8 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 532.7
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

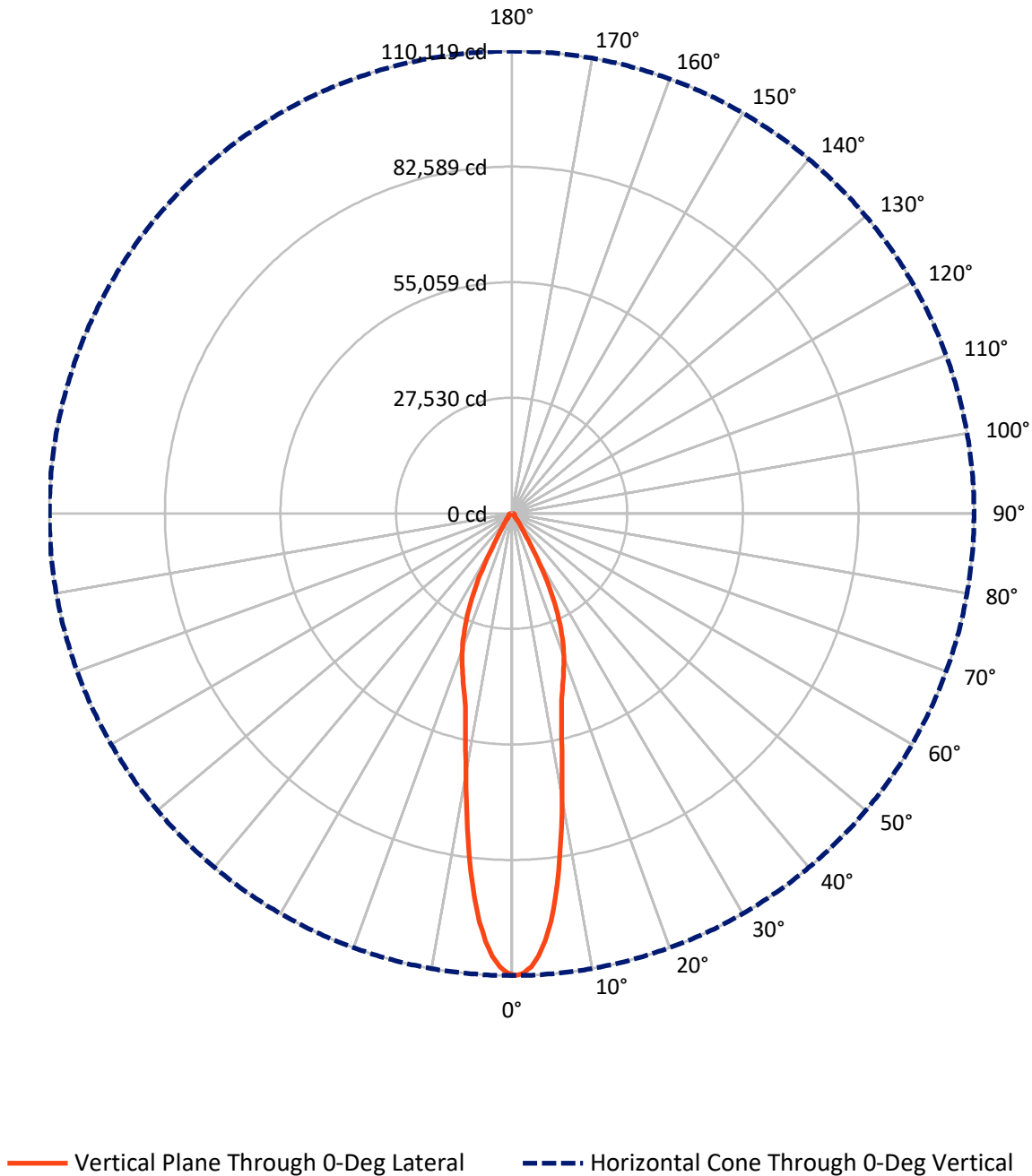
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 122.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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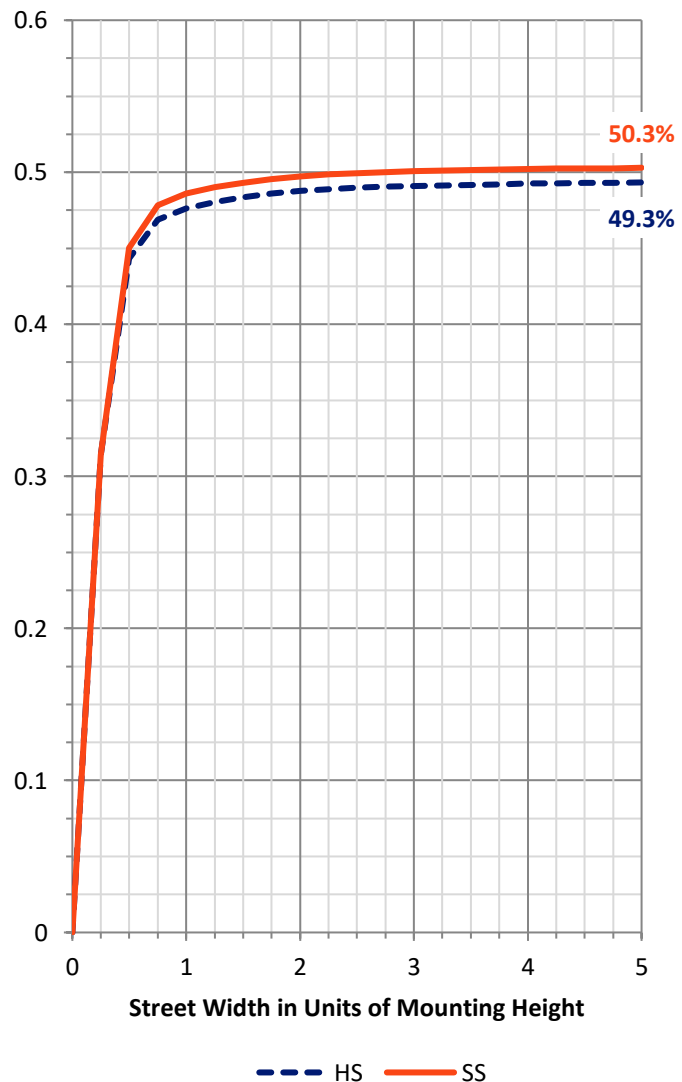
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18369.9	0.0	18369.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18369.9	0.0	18369.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	36739.8	0.0	36739.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8243.2	22.4
10°-20°	12855.7	35.0
20°-30°	10417.4	28.4
30°-40°	2528.3	6.9
40°-50°	850.9	2.3
50°-60°	672.4	1.8
60°-70°	670.7	1.8
70°-80°	370.1	1.0
80°-90°	131.2	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°	36739.8	100.0
0°-180°	36739.8	100.0

Coefficient of Utilization



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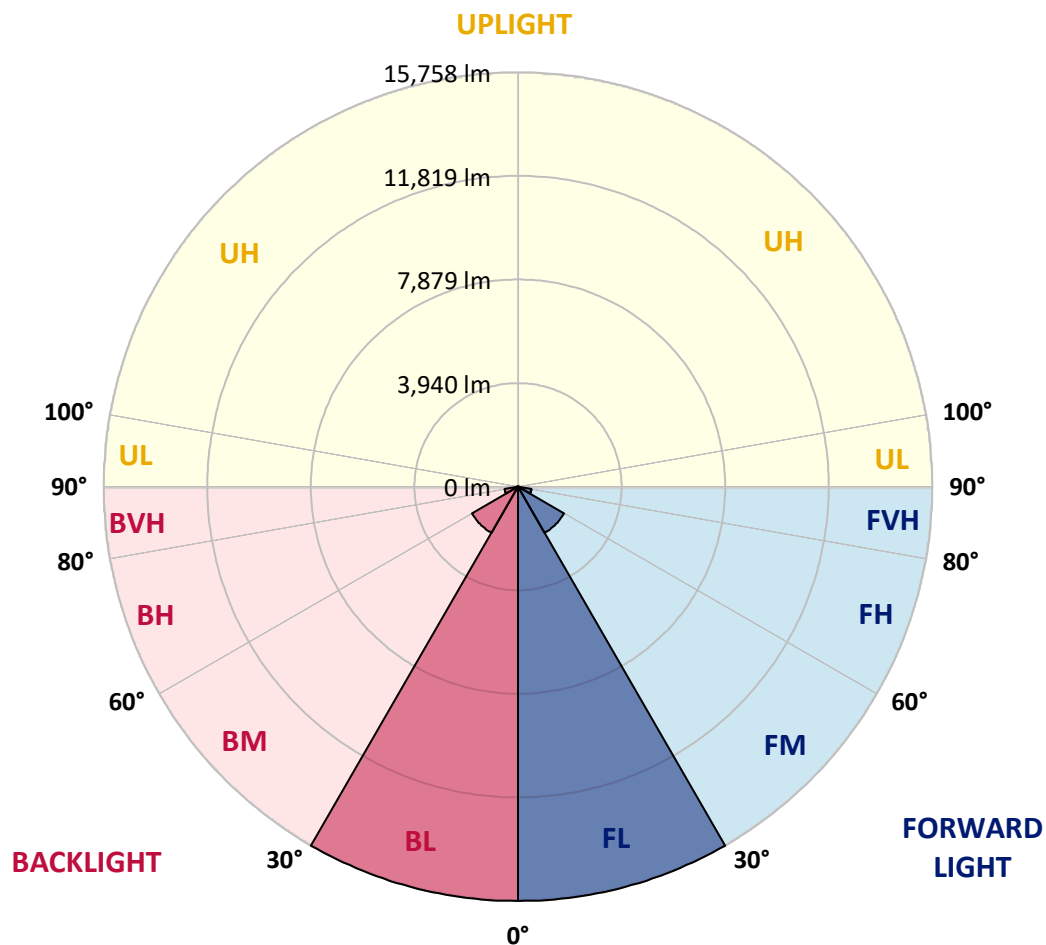
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	15758.2	42.9			
FM	(30°-60°)	2025.8	5.5			
FH	(60°-80°)	520.4	1.4			G0/660
FVH	(80°-90°)	65.6	0.2			G1/100
BL	(0°-30°)	15758.2	42.9	B5		
BM	(30°-60°)	2025.8	5.5	B2/2500		
BH	(60°-80°)	520.4	1.4	B2/1000		G0/660
BVH	(80°-90°)	65.6	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°	110118.7
1°	109545.5
2°	108072.3
3°	105629.5
4°	102120.6
5°	97594.0
6°	92049.5
7°	85851.4
8°	79123.0
9°	72351.8
10°	65875.1
11°	60046.7
12°	54941.5
13°	50746.9
14°	47404.2
15°	44773.9
17.5°	39904.4
20°	35372.3
22.5°	30063.5
25°	23897.6
27.5°	16869.2
30°	9165.8
32.5°	5271.3
35°	3519.6
37.5°	2399.9
40°	1708.9
42.5°	1323.2
45°	1033.9
47.5°	846.4
50°	776.8
52.5°	739.3
55°	723.2
57.5°	750.0
60°	792.8
62.5°	776.8
65°	691.1
67.5°	594.6
70°	503.6
72.5°	417.8
75°	342.8
77.5°	278.6
80°	225.0
82.5°	182.1
85°	139.3
87.5°	48.2



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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)