

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: P525430

Luminaire Tested: **IFLD-S-SA2E-927-U-44**

Issue Date: 05/27/2021

Test Information

Test Method: LM-79-08
Report Number: P525430
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2E-927-U-44
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 44
distribution lens
Light Source: (32) 2700K CCT, 90 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11779.5 lumens
Efficiency: N/A
Efficacy: 75.4 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): 156.2
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

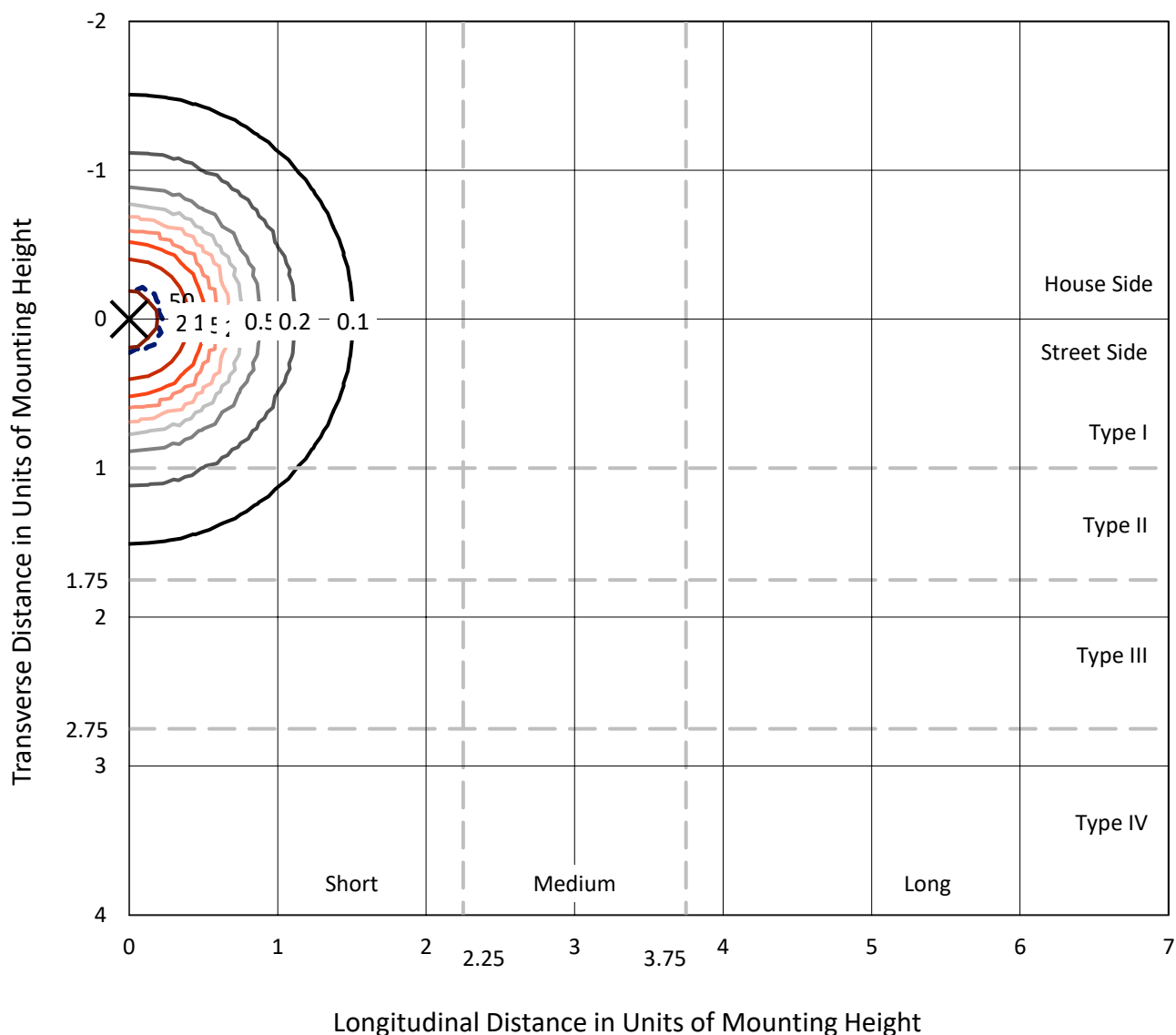
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

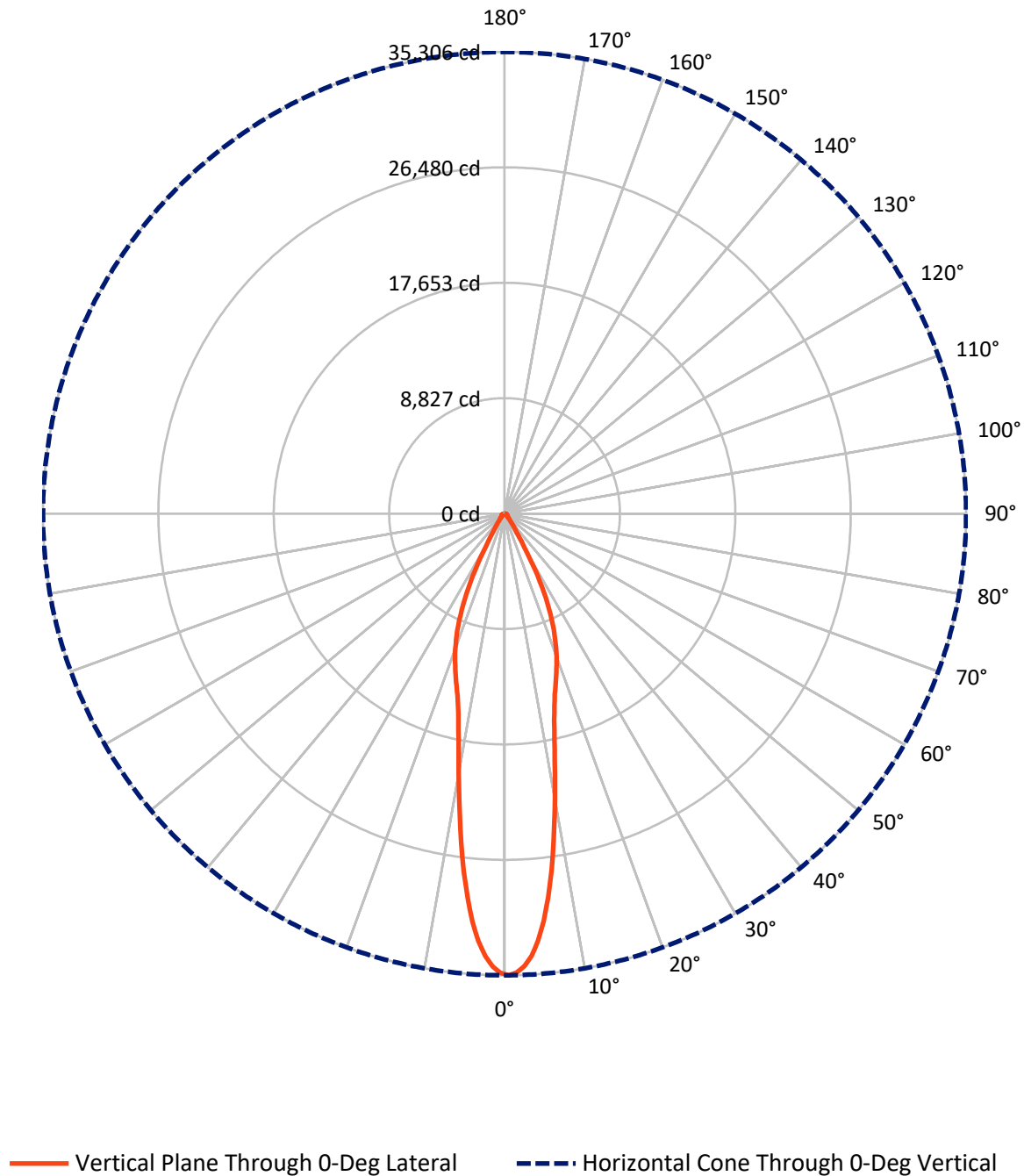


Based on 20 foot mounting height. Maximum calculated value = 88.3 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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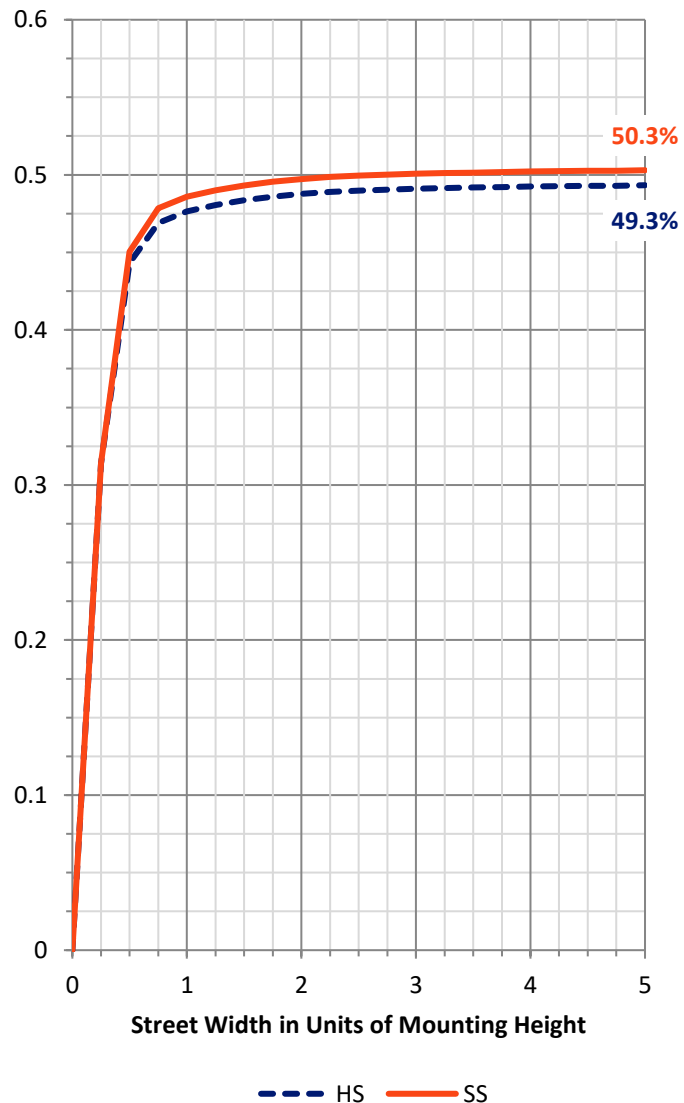
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5889.7	0.0	5889.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5889.7	0.0	5889.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	11779.5	0.0	11779.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2642.9	22.4
10°-20°	4121.8	35.0
20°-30°	3340.0	28.4
30°-40°	810.6	6.9
40°-50°	272.8	2.3
50°-60°	215.6	1.8
60°-70°	215.0	1.8
70°-80°	118.7	1.0
80°-90°	42.1	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°	11779.5	100.0
0°-180°	11779.5	100.0

Coefficient of Utilization



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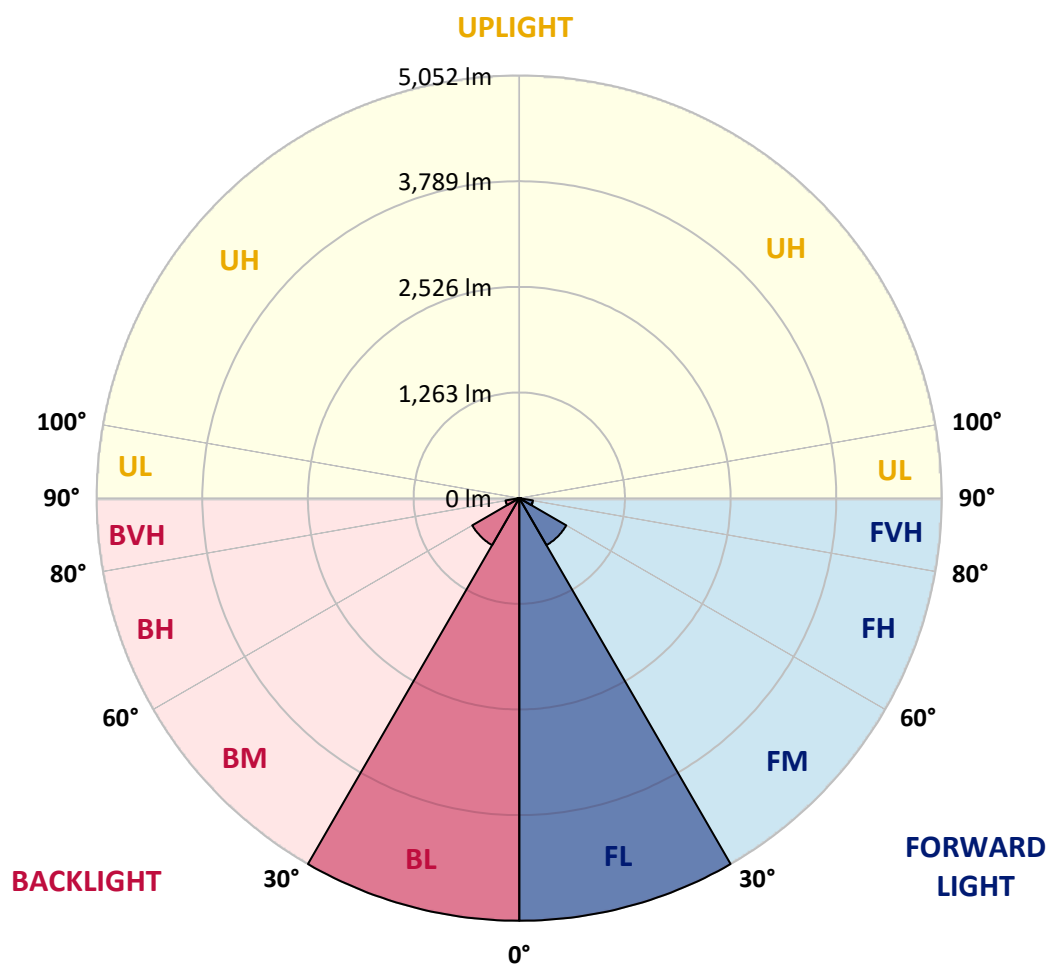
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5052.4	42.9			
FM	(30°-60°)	649.5	5.5			
FH	(60°-80°)	166.8	1.4			G0/660
FVH	(80°-90°)	21.0	0.2			G1/100
BL	(0°-30°)	5052.4	42.9	B5		
BM	(30°-60°)	649.5	5.5	B1/1000		
BH	(60°-80°)	166.8	1.4	B1/500		G0/660
BVH	(80°-90°)	21.0	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°	35306.1
1°	35122.3
2°	34650.0
3°	33866.8
4°	32741.8
5°	31290.4
6°	29512.7
7°	27525.5
8°	25368.3
9°	23197.3
10°	21120.8
11°	19252.1
12°	17615.2
13°	16270.4
14°	15198.6
15°	14355.3
17.5°	12794.1
20°	11341.0
22.5°	9638.9
25°	7662.0
27.5°	5408.6
30°	2938.7
32.5°	1690.1
35°	1128.4
37.5°	769.5
40°	547.9
42.5°	424.2
45°	331.5
47.5°	271.4
50°	249.0
52.5°	237.0
55°	231.9
57.5°	240.5
60°	254.2
62.5°	249.0
65°	221.6
67.5°	190.6
70°	161.5
72.5°	134.0
75°	109.9
77.5°	89.3
80°	72.1
82.5°	58.4
85°	44.7
87.5°	15.5

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CANDELA DISTRIBUTION (continued):

0°
90° | 0.0

(END OF REPORT)