

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: P525625

Luminaire Tested: **IFLD-S-SA2E-927-U-33**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525625
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-33
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 33 distribution lens
Light Source: (32) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

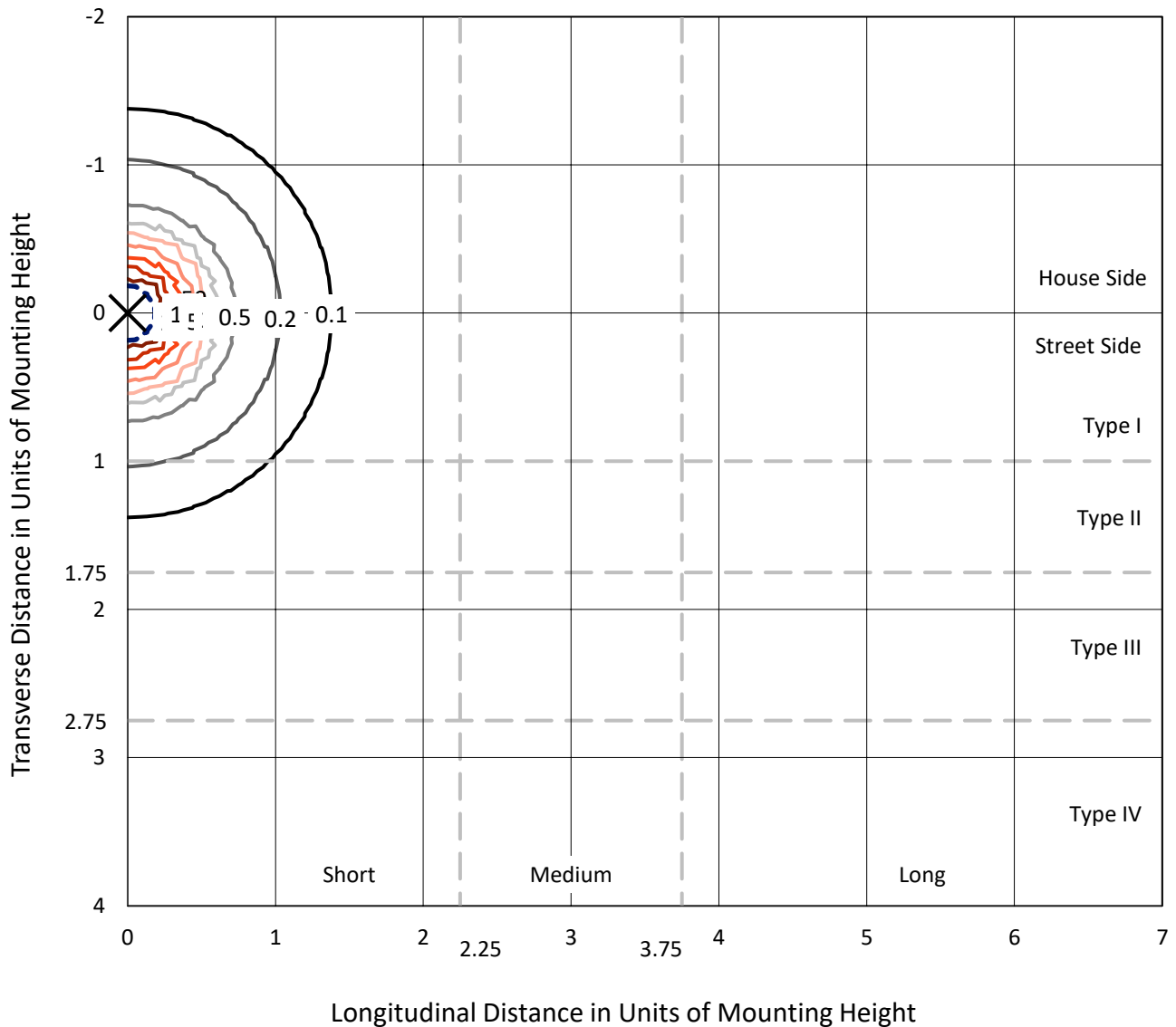
Lumens per Lamp: N/A
Luminaire Lumens: 11663.6 lumens
Efficiency: N/A
Efficacy: 74.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 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

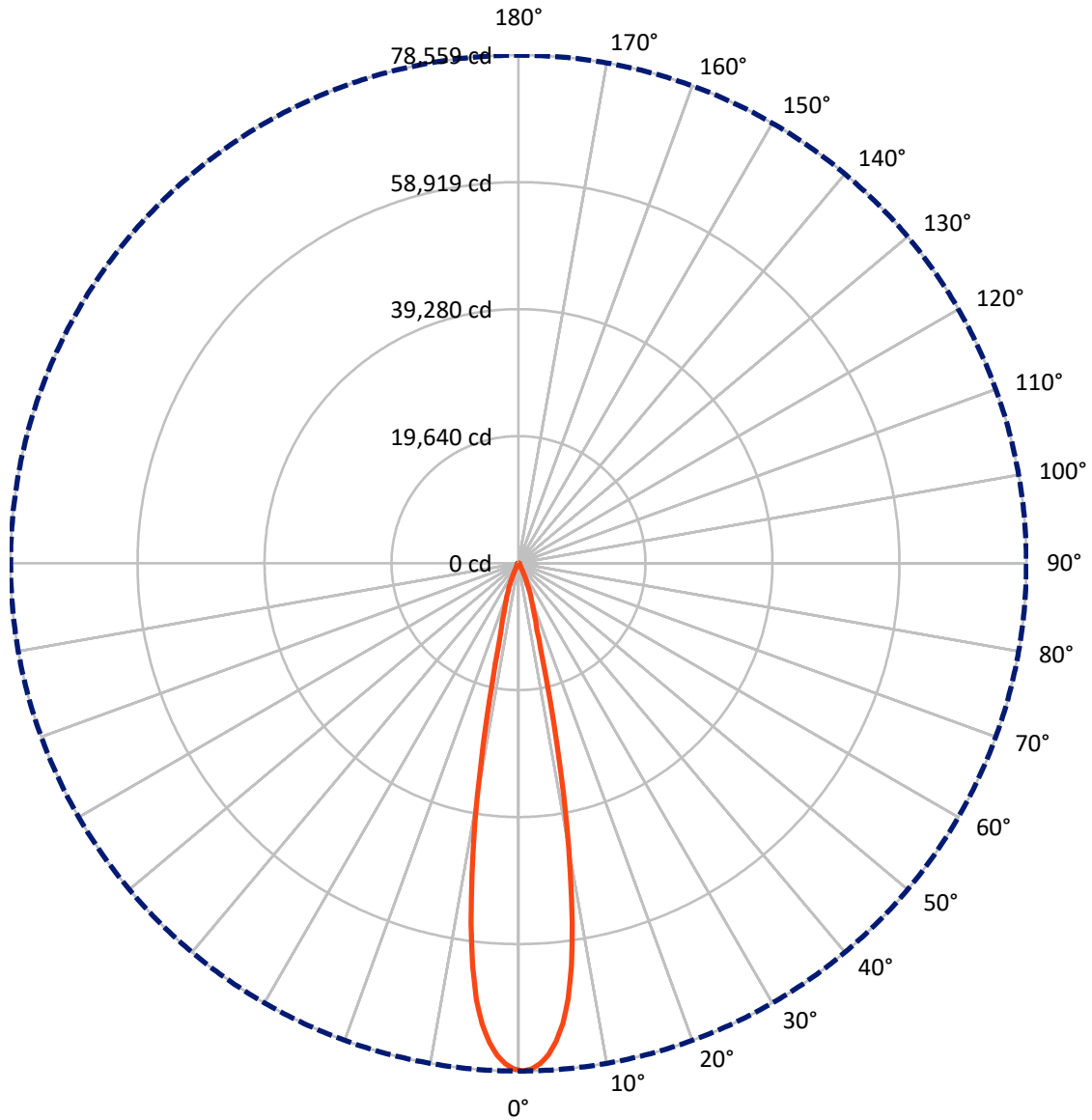
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 196.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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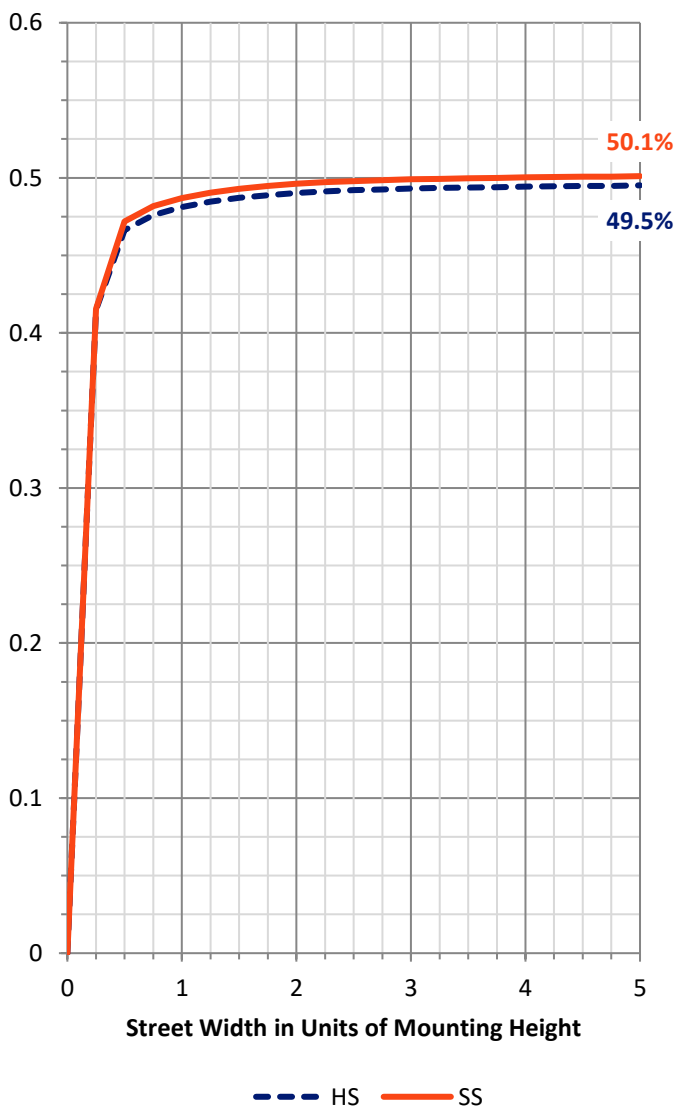
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5831.8	0.0	5831.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5831.8	0.0	5831.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	11663.6	0.0	11663.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5849.1	50.1
10°-20°	3847.4	33.0
20°-30°	1034.9	8.9
30°-40°	257.1	2.2
40°-50°	191.9	1.6
50°-60°	176.4	1.5
60°-70°	161.8	1.4
70°-80°	104.7	0.9
80°-90°	40.2	0.3
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°	11663.6	100.0
0°-180°	11663.6	100.0



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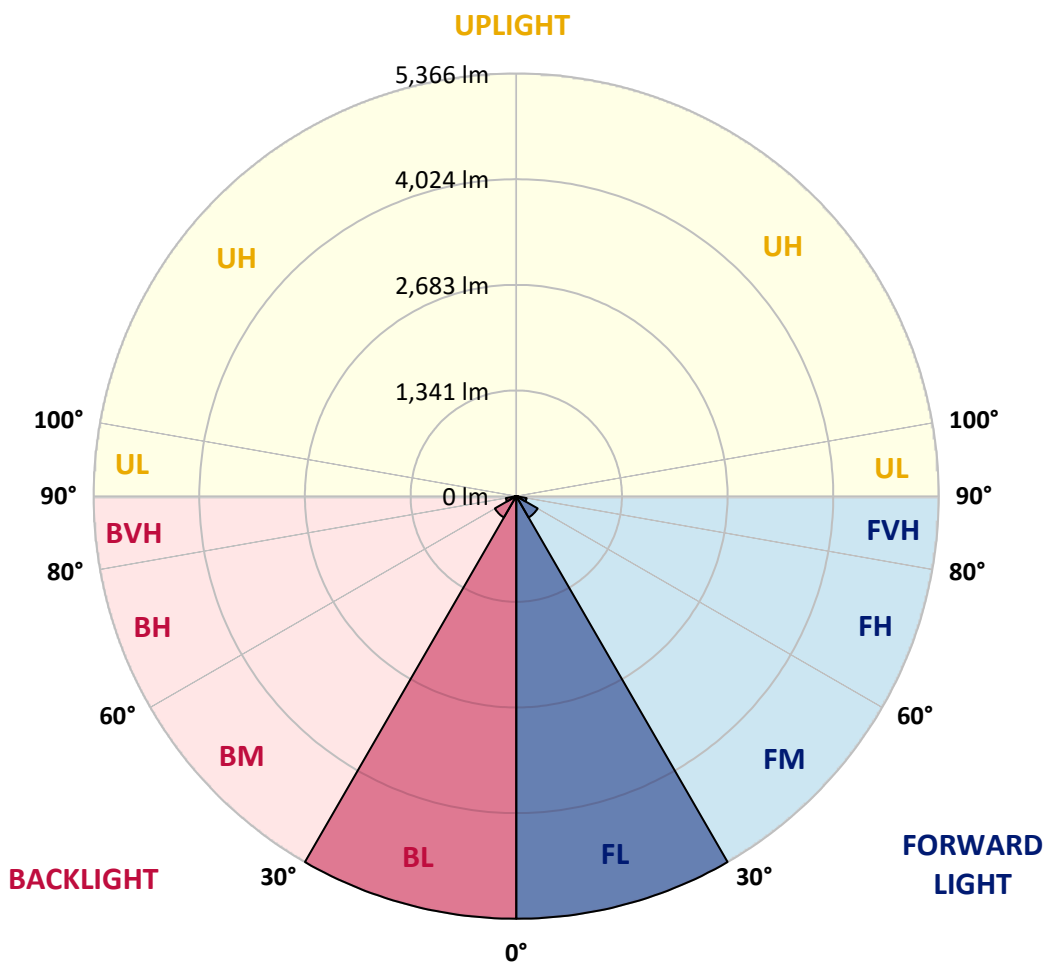
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5365.7	46.0			
FM (30°-60°)	312.7	2.7			
FH (60°-80°)	133.3	1.1			G0/660
FVH (80°-90°)	20.1	0.2			G1/100
BL (0°-30°)	5365.7	46.0	B5		
BM (30°-60°)	312.7	2.7	B1/1000		
BH (60°-80°)	133.3	1.1	B1/500		G0/660
BVH (80°-90°)	20.1	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°	78559.2
1°	78251.8
2°	77477.2
3°	76158.1
4°	74236.2
5°	71560.3
6°	67824.7
7°	62711.7
8°	56228.1
9°	48581.7
10°	40827.1
11°	32497.1
12°	24764.9
13°	18300.1
14°	13695.5
15°	10725.9
17.5°	7189.5
20°	5197.2
22.5°	3426.4
25°	2011.2
27.5°	1128.4
30°	630.3
32.5°	460.3
35°	389.9
37.5°	343.5
40°	302.3
42.5°	271.4
45°	243.9
47.5°	225.0
50°	209.5
52.5°	200.9
55°	195.8
57.5°	192.4
60°	187.2
62.5°	176.9
65°	164.9
67.5°	151.1
70°	134.0
72.5°	115.1
75°	97.9
77.5°	82.4
80°	68.7
82.5°	55.0
85°	41.2
87.5°	17.2



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CANDELA DISTRIBUTION (continued):



(END OF REPORT)