

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: P525824

Luminaire Tested: **IFLD-S-SA3D-927-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525824
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-927-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (48) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

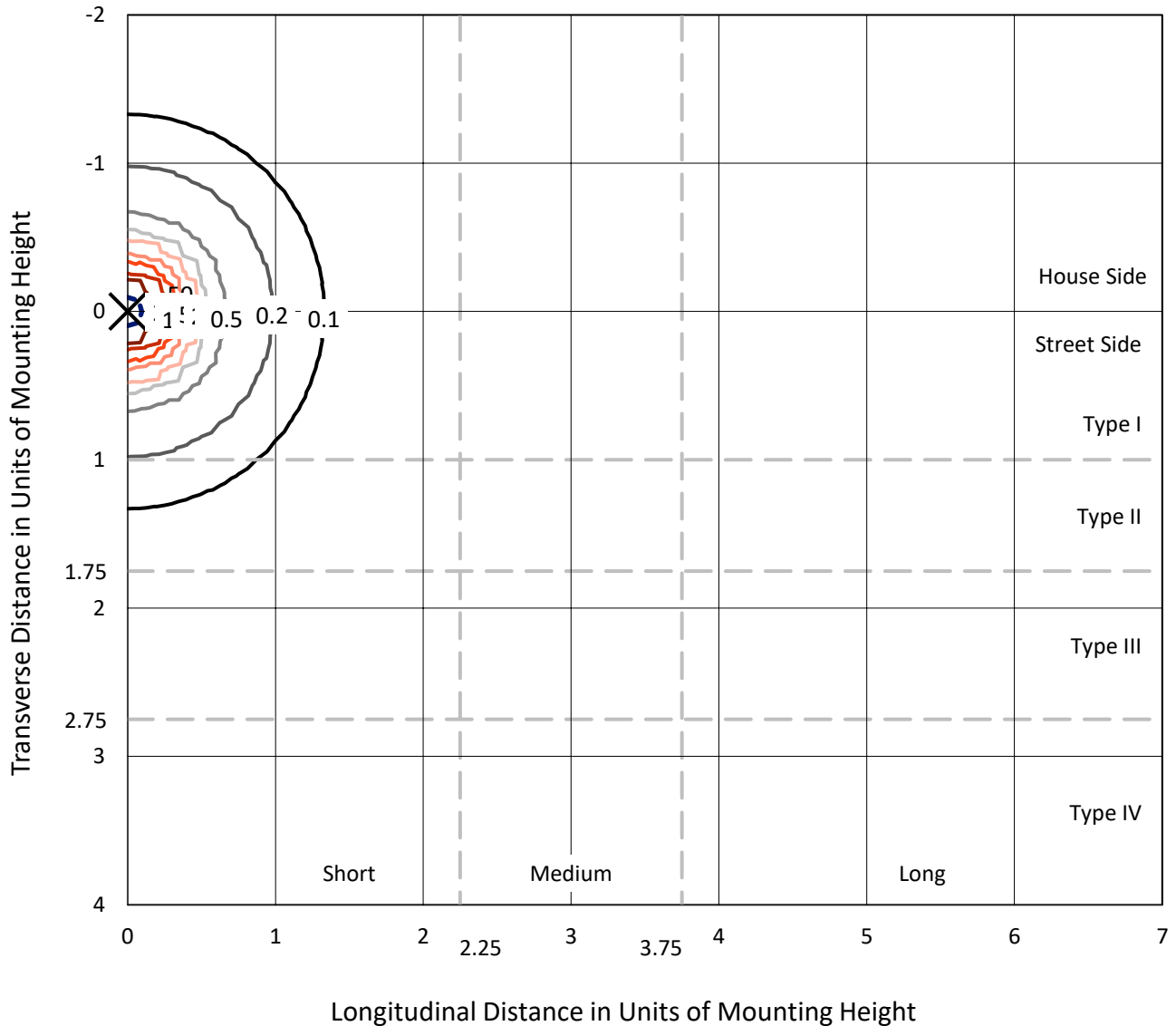
Lumens per Lamp: N/A
Luminaire Lumens: 15075.2 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 184.1
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

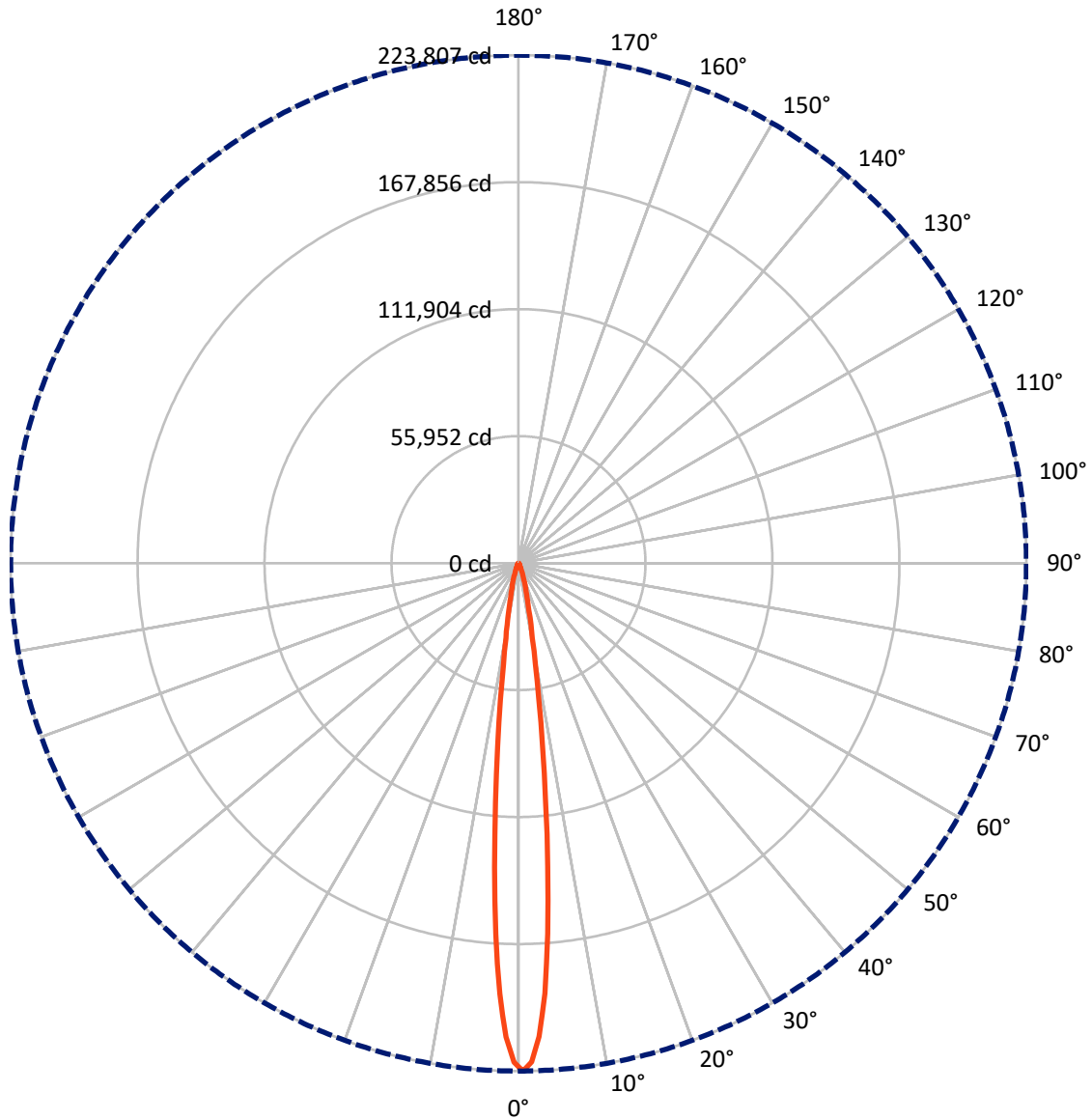
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 358.1 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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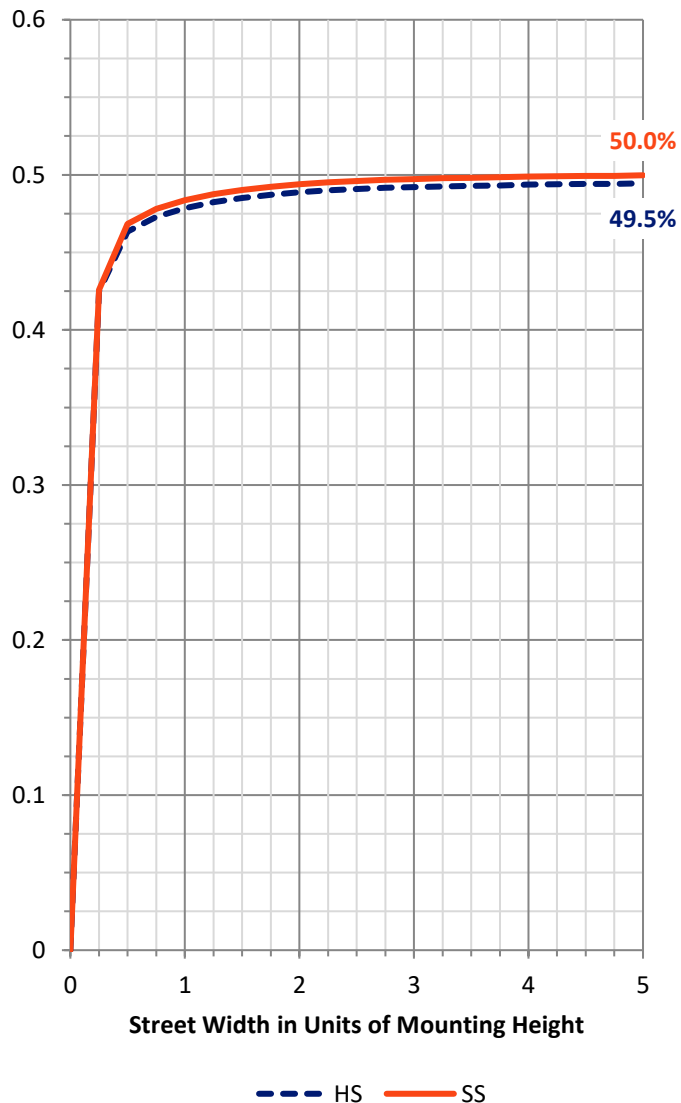
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7537.6	0.0	7537.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7537.6	0.0	7537.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	15075.2	0.0	15075.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9249.9	61.4
10°-20°	3680.6	24.4
20°-30°	848.7	5.6
30°-40°	322.2	2.1
40°-50°	263.0	1.7
50°-60°	252.5	1.7
60°-70°	241.9	1.6
70°-80°	160.2	1.1
80°-90°	56.3	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°	15075.2	100.0
0°-180°	15075.2	100.0

Coefficient of Utilization



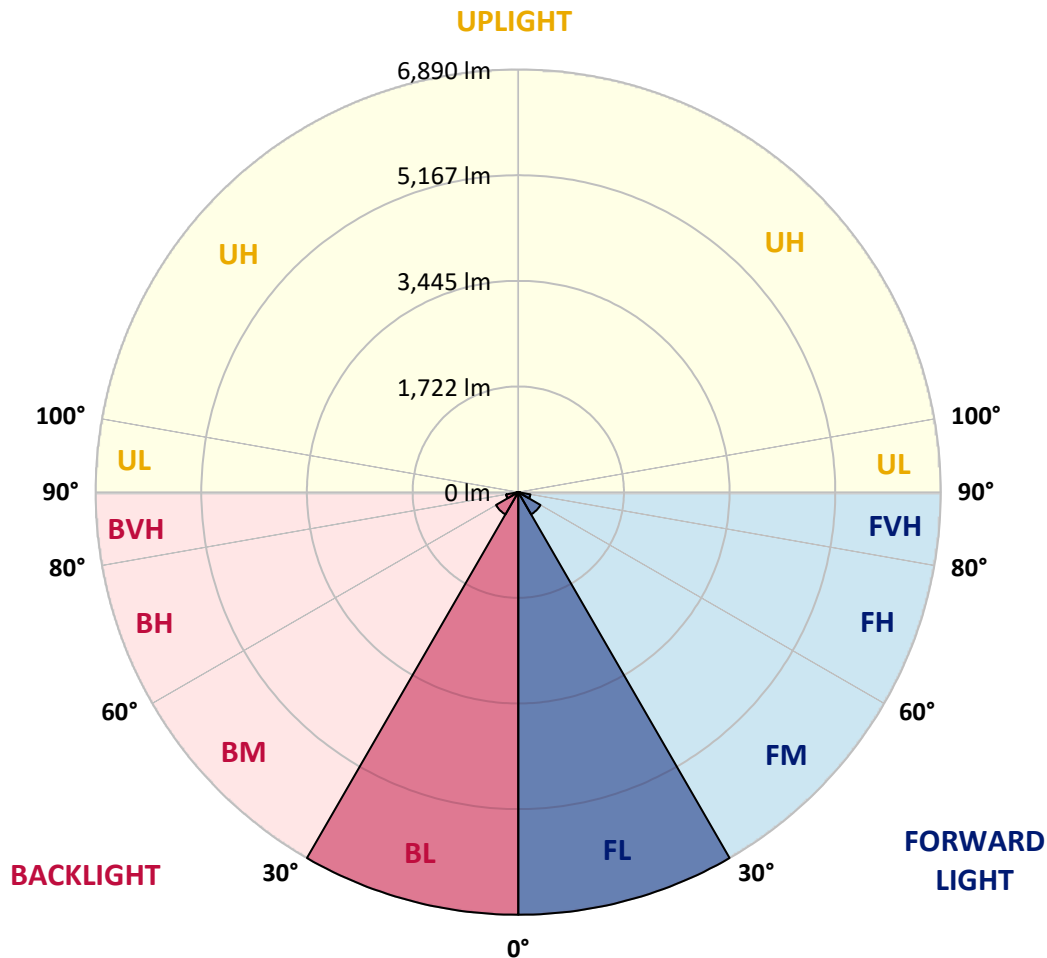
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6889.6	45.7			
FM (30°-60°)	418.9	2.8			
FH (60°-80°)	201.0	1.3			G0/660
FVH (80°-90°)	28.1	0.2			G1/100
BL (0°-30°)	6889.6	45.7	B5		
BM (30°-60°)	418.9	2.8	B1/1000		
BH (60°-80°)	201.0	1.3	B1/500		G0/660
BVH (80°-90°)	28.1	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°	223807.4
1°	219870.3
2°	208842.0
3°	189899.6
4°	163854.9
5°	134488.0
6°	105731.5
7°	80996.2
8°	60452.4
9°	45071.1
10°	33611.5
12.5°	18318.7
15°	11753.8
17.5°	7931.7
20°	4715.7
22.5°	2623.3
25°	1499.6
27.5°	951.1
30°	685.7
32.5°	559.6
35°	497.7
37.5°	462.3
40°	415.8
42.5°	369.4
45°	329.6
47.5°	309.7
50°	296.4
52.5°	287.5
55°	280.9
57.5°	276.5
60°	267.6
62.5°	261.0
65°	247.7
67.5°	230.0
70°	207.9
72.5°	179.2
75°	150.4
77.5°	123.9
80°	99.5
82.5°	77.4
85°	57.5
87.5°	22.1
90°	0.0

(END OF REPORT)