

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: P525902

Luminaire Tested: **IFLD-S-SA3D-935-U-22**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P525902
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3D-935-U-22
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 22 distribution lens
Light Source: (48) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

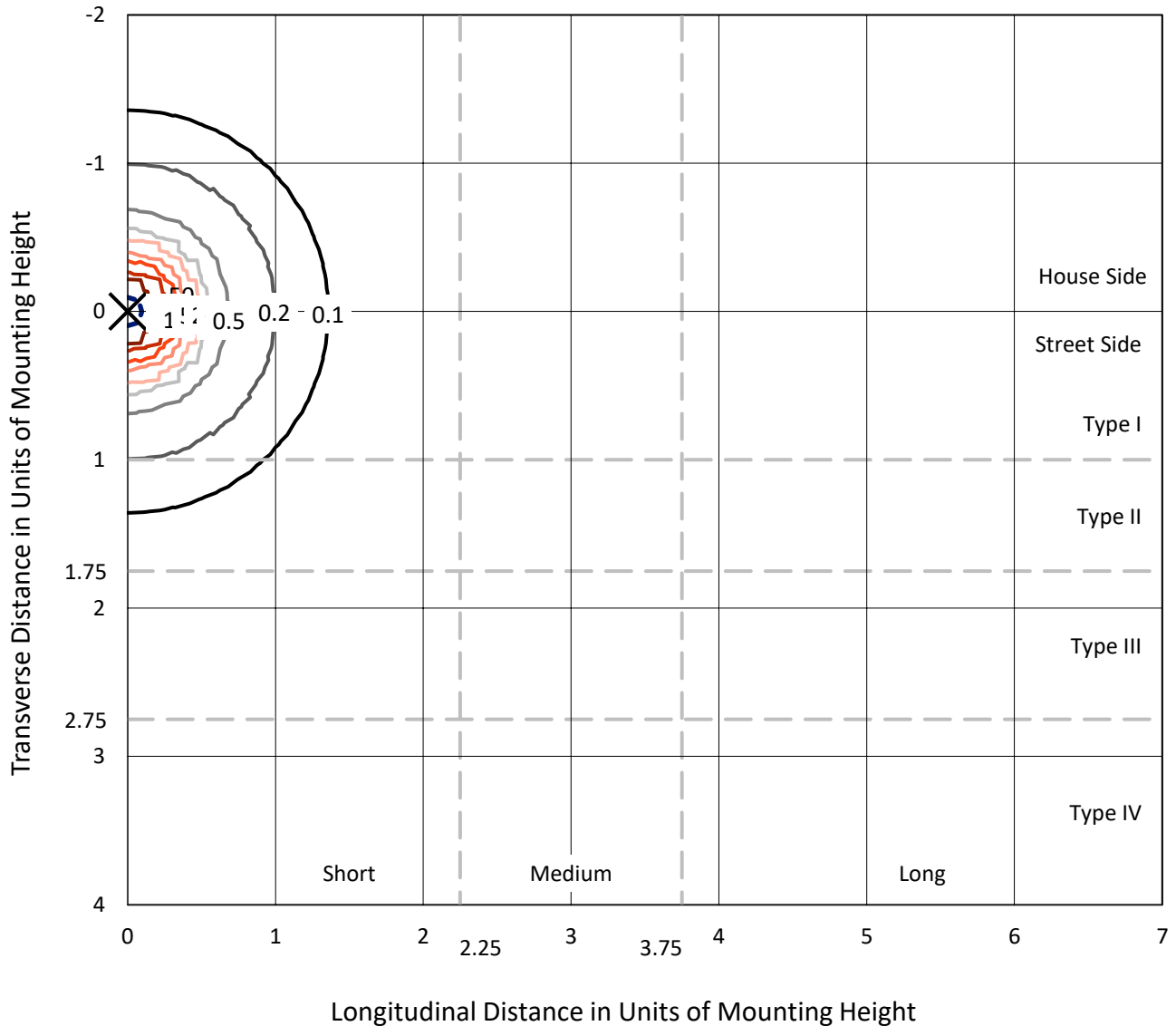
Lumens per Lamp: N/A
Luminaire Lumens: 15811.8 lumens
Efficiency: N/A
Efficacy: 85.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

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

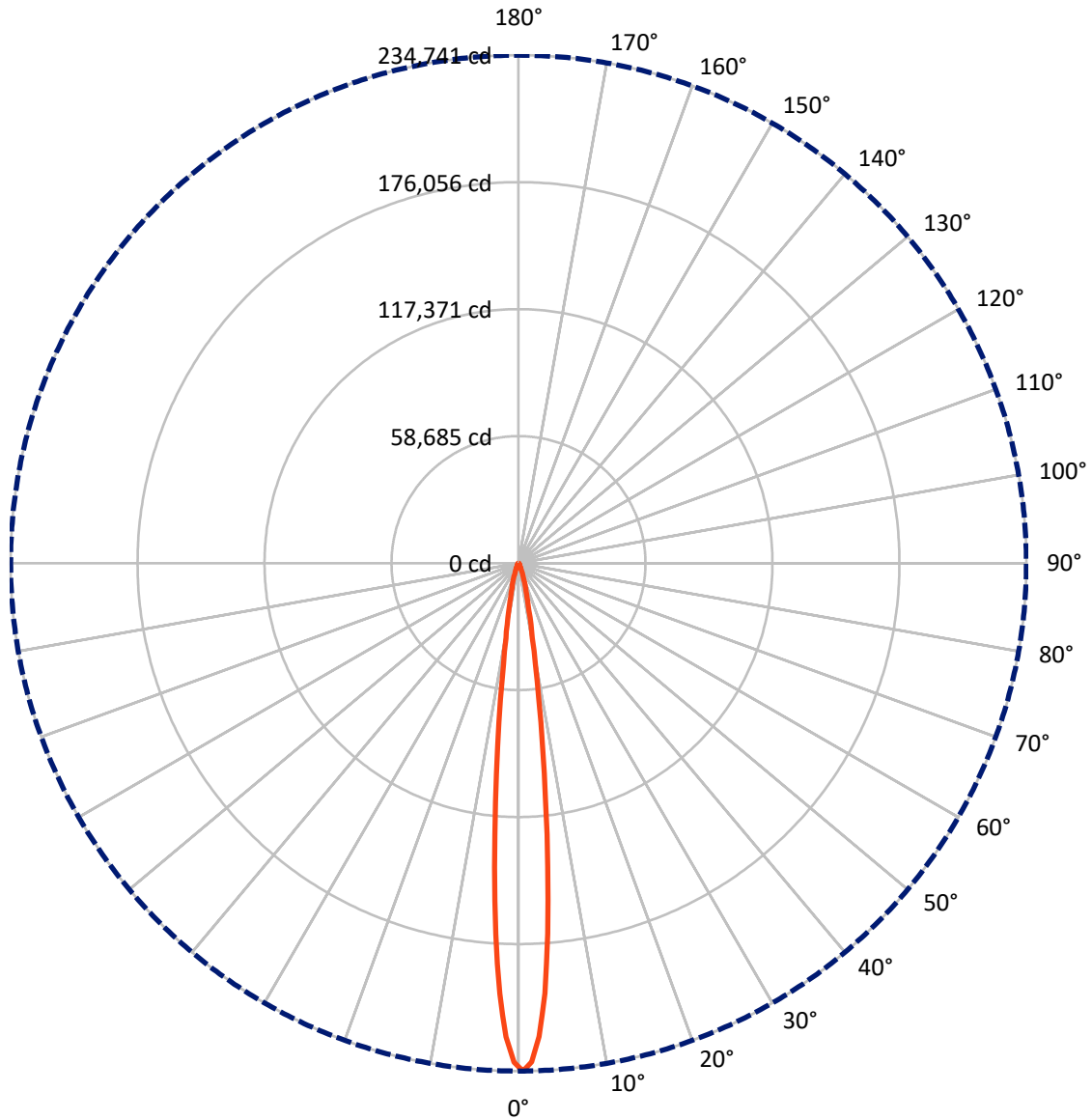
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 375.6 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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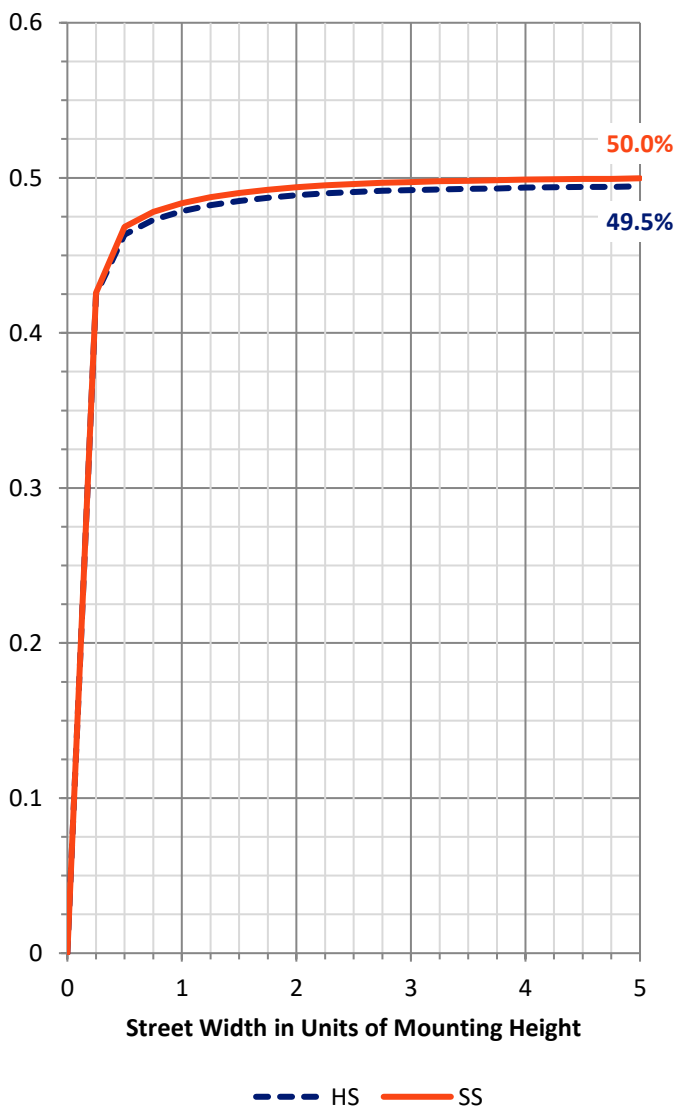
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7905.9	0.0	7905.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7905.9	0.0	7905.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	15811.8	0.0	15811.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9701.8	61.4
10°-20°	3860.5	24.4
20°-30°	890.1	5.6
30°-40°	337.9	2.1
40°-50°	275.8	1.7
50°-60°	264.9	1.7
60°-70°	253.8	1.6
70°-80°	168.0	1.1
80°-90°	59.0	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°	15811.8	100.0
0°-180°	15811.8	100.0

Coefficient of Utilization



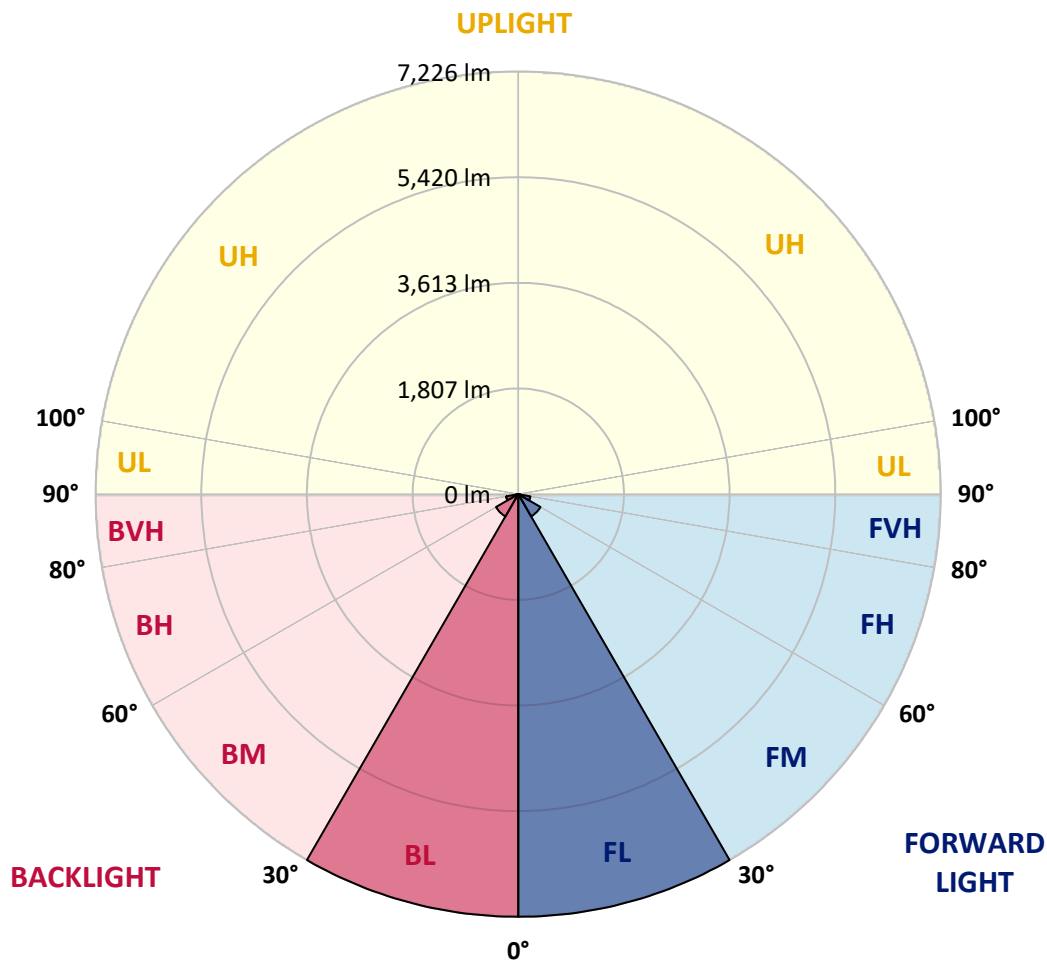
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7226.2	45.7			
FM (30°-60°)	439.3	2.8			
FH (60°-80°)	210.9	1.3			G0/660
FVH (80°-90°)	29.5	0.2			G1/100
BL (0°-30°)	7226.2	45.7	B5		
BM (30°-60°)	439.3	2.8	B1/1000		
BH (60°-80°)	210.9	1.3	B1/500		G0/660
BVH (80°-90°)	29.5	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°	234741.1
1°	230611.6
2°	219044.5
3°	199176.7
4°	171859.7
5°	141058.1
6°	110896.8
7°	84953.1
8°	63405.7
9°	47273.0
10°	35253.5
12.5°	19213.6
15°	12328.1
17.5°	8319.2
20°	4946.1
22.5°	2751.4
25°	1572.9
27.5°	997.6
30°	719.2
32.5°	586.9
35°	522.0
37.5°	484.9
40°	436.1
42.5°	387.4
45°	345.7
47.5°	324.8
50°	310.9
52.5°	301.6
55°	294.6
57.5°	290.0
60°	280.7
62.5°	273.8
65°	259.8
67.5°	241.3
70°	218.1
72.5°	187.9
75°	157.8
77.5°	129.9
80°	104.4
82.5°	81.2
85°	60.3
87.5°	23.2
90°	0.0

(END OF REPORT)