

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: P565309

Luminaire Tested: **IFLD-S-SA2A-AMB-U-5MQ**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565309
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2A-AMB-U-5MQ
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ 5MQ distribution lens
Light Source: (32) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

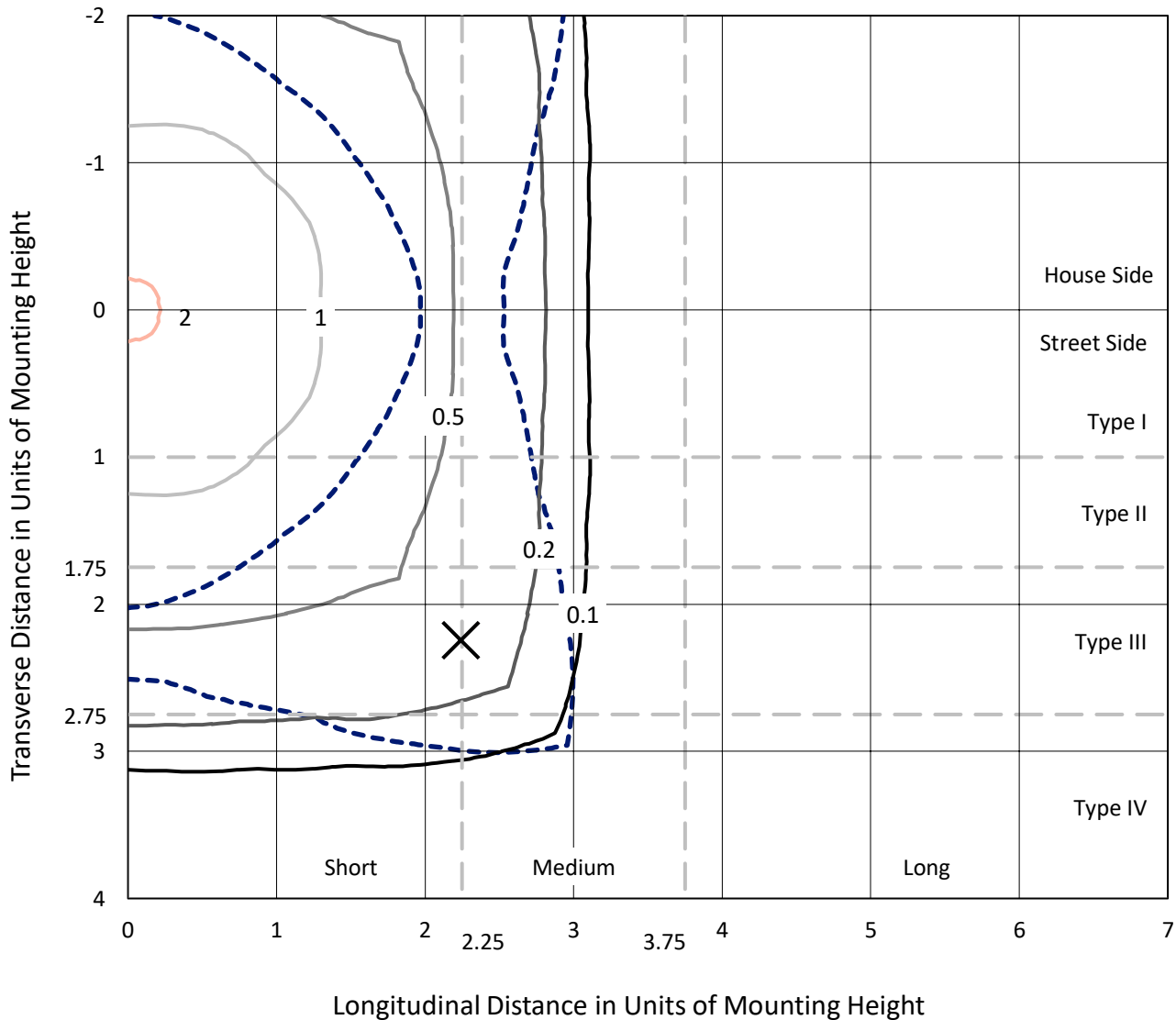
Lumens per Lamp: N/A
Luminaire Lumens: 2215.4 lumens
Efficiency: N/A
Efficacy: 53.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

Input Watts (W): 41.2
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

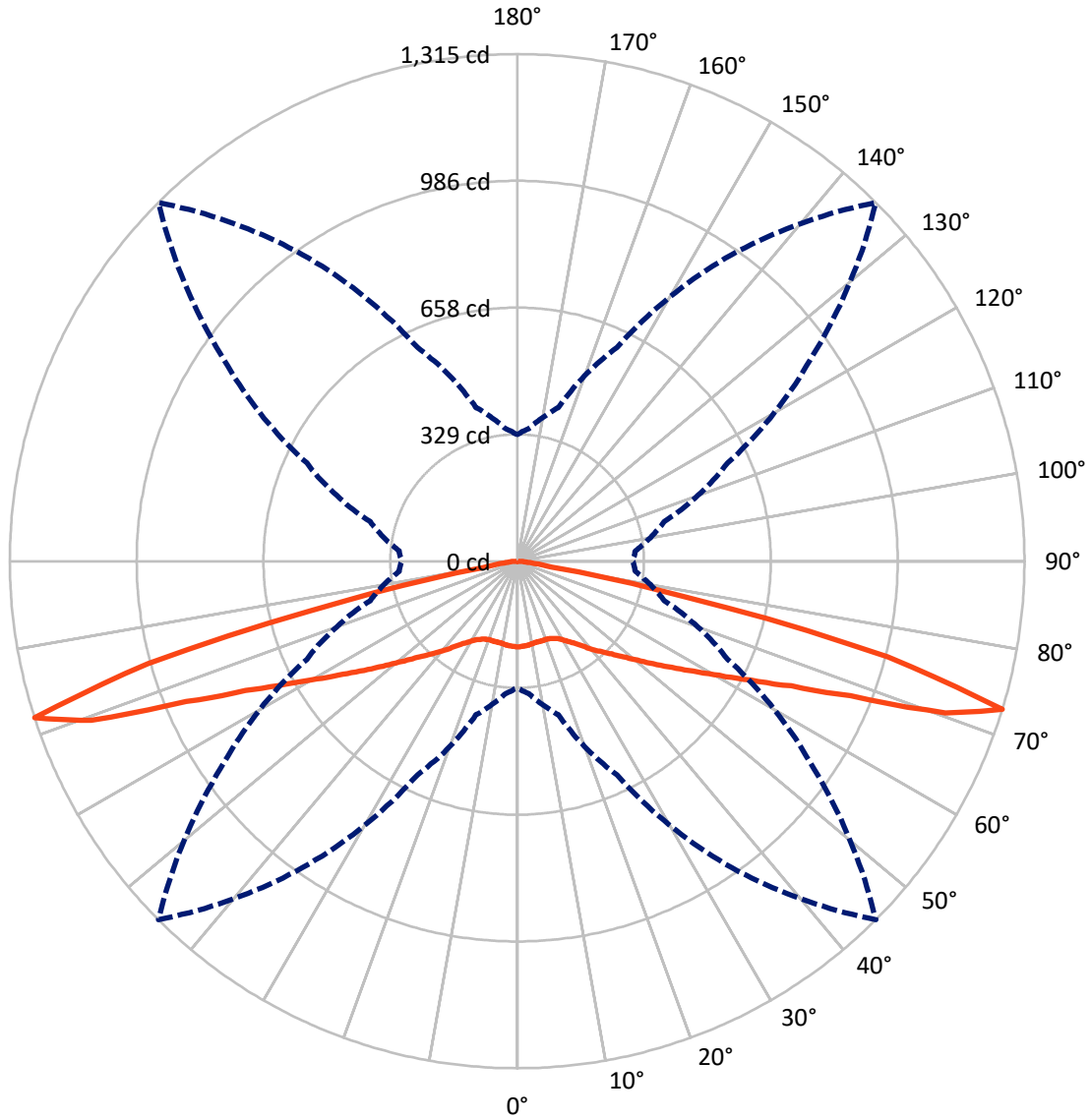
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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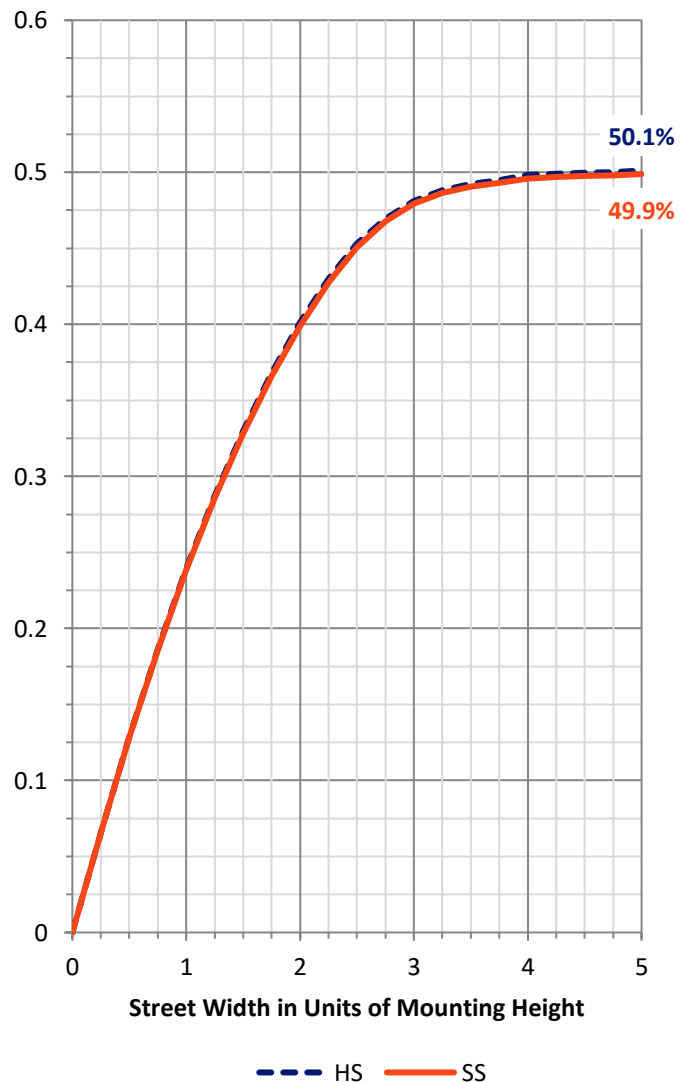
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1107.7	0.0	1107.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1107.7	0.0	1107.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2215.4	0.0	2215.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.0	0.9
10°-20°	60.7	2.7
20°-30°	101.7	4.6
30°-40°	165.5	7.5
40°-50°	270.7	12.2
50°-60°	445.0	20.1
60°-70°	723.6	32.7
70°-80°	409.1	18.5
80°-90°	18.1	0.8
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°	2215.4	100.0
0°-180°	2215.4	100.0

Coefficient of Utilization

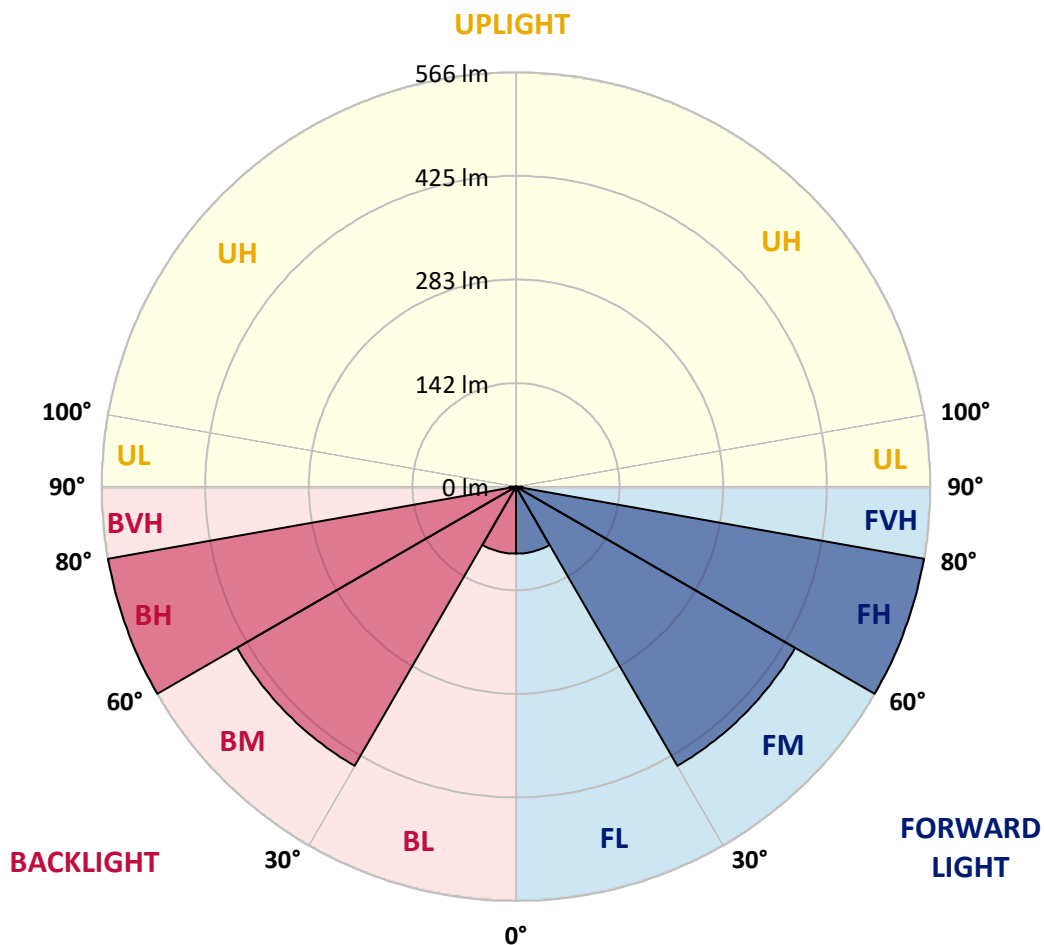


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	91.7	4.1			
FM (30°-60°)	440.6	19.9			
FH (60°-80°)	566.4	25.6			G0/660
FVH (80°-90°)	9.1	0.4			G0/10
BL (0°-30°)	91.7	4.1	B0/110		
BM (30°-60°)	440.6	19.9	B1/1000		
BH (60°-80°)	566.4	25.6	B2/1000		G0/660
BVH (80°-90°)	9.1	0.4			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	222.6	222.6	222.6	222.6	222.6	222.6	222.6	222.6	222.6	222.6	222.6
2.5°	220.5	220.5	220.5	220.5	220.5	221.5	221.5	222.6	222.6	223.6	223.6
5°	220.5	220.5	220.5	220.5	220.5	220.5	221.5	221.5	221.5	221.5	222.6
7.5°	219.4	219.4	219.4	219.4	218.3	219.4	219.4	219.4	220.5	220.5	220.5
10°	216.2	216.2	216.2	216.2	216.2	217.3	217.3	217.3	217.3	218.3	218.3
12.5°	214.1	214.1	214.1	215.2	215.2	216.2	216.2	215.2	215.2	215.2	215.2
15°	213.0	212.0	213.0	214.1	215.2	216.2	216.2	214.1	214.1	213.0	213.0
17.5°	212.0	210.9	212.0	213.0	215.2	216.2	215.2	213.0	213.0	212.0	212.0
20°	209.9	209.9	210.9	213.0	215.2	216.2	216.2	213.0	212.0	210.9	210.9
22.5°	209.9	209.9	212.0	215.2	217.3	218.3	217.3	214.1	212.0	209.9	209.9
25°	212.0	212.0	215.2	218.3	221.5	222.6	220.5	217.3	215.2	212.0	210.9
27.5°	218.3	217.3	220.5	224.7	226.8	227.9	226.8	222.6	219.4	216.2	216.2
30°	228.9	227.9	231.1	235.3	237.4	237.4	235.3	232.1	228.9	225.8	225.8
32.5°	241.6	241.6	244.8	248.0	250.1	249.1	248.0	246.9	244.8	241.6	242.7
35°	252.2	253.3	258.6	262.8	265.0	262.8	262.8	262.8	260.7	257.5	256.5
37.5°	267.1	268.1	273.4	279.8	283.0	280.9	281.9	278.7	274.5	271.3	271.3
40°	288.3	288.3	294.6	299.9	303.1	301.0	302.1	299.9	296.8	293.6	294.6
42.5°	309.5	310.5	316.9	323.3	323.3	321.1	322.2	323.3	321.1	316.9	315.8
45°	334.9	336.0	343.4	348.7	346.6	343.4	346.6	351.9	347.6	343.4	344.5
47.5°	362.5	363.5	372.0	377.3	376.3	371.0	377.3	381.6	378.4	371.0	369.9
50°	392.2	393.2	404.9	411.2	412.3	403.8	412.3	418.6	412.3	402.7	401.7
52.5°	426.1	430.3	442.0	451.5	449.4	442.0	450.4	458.9	453.6	443.0	440.9
55°	468.5	470.6	484.4	496.0	497.1	487.5	498.1	505.6	498.1	484.4	482.2
57.5°	511.9	518.3	531.0	544.8	550.1	537.4	552.2	556.4	542.7	525.7	524.6
60°	556.4	562.8	578.7	599.9	609.4	602.0	611.5	607.3	587.2	567.0	564.9
62.5°	627.4	629.6	643.3	663.5	679.4	678.3	681.5	669.8	656.1	640.2	642.3
65°	683.6	684.7	713.3	741.9	772.6	780.1	770.5	758.9	739.8	699.5	700.6
67.5°	683.6	691.0	740.8	817.2	892.4	931.6	895.6	835.2	761.0	699.5	701.6
70°	589.3	587.2	666.7	804.4	1015.4	1178.6	1006.9	819.3	663.5	575.5	575.5
72.5°	328.6	344.5	412.3	611.5	970.8	1315.3	939.0	602.0	394.3	307.4	299.9
75°	120.8	124.0	152.6	260.7	588.2	993.1	564.9	240.6	129.3	107.0	107.0
77.5°	49.8	48.8	51.9	65.7	177.0	446.2	156.9	71.0	56.2	56.2	57.2
80°	28.6	29.7	31.8	33.9	42.4	91.1	51.9	41.3	38.2	37.1	38.2
82.5°	12.7	14.8	20.1	22.3	25.4	32.9	33.9	30.7	26.5	22.3	21.2
85°	6.4	5.3	9.5	11.7	14.8	18.0	20.1	21.2	19.1	11.7	11.7
87.5°	1.1	1.1	2.1	2.1	3.2	4.2	7.4	8.5	8.5	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)