

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: P565317

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

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565317
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-5WQ
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ 5WQ distribution lens
Light Source: (32) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

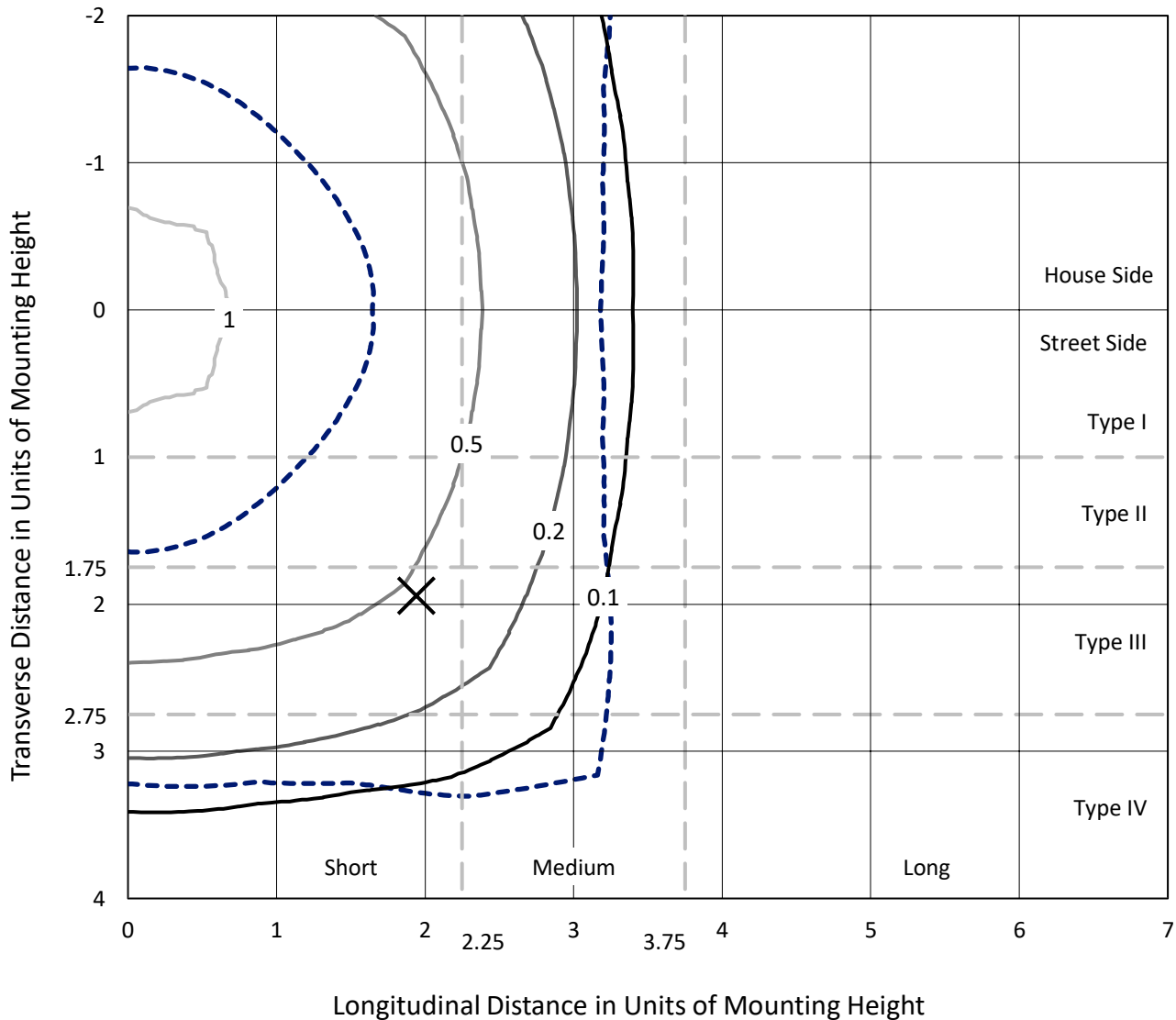
Lumens per Lamp: N/A
Luminaire Lumens: 2252.6 lumens
Efficiency: N/A
Efficacy: 54.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

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

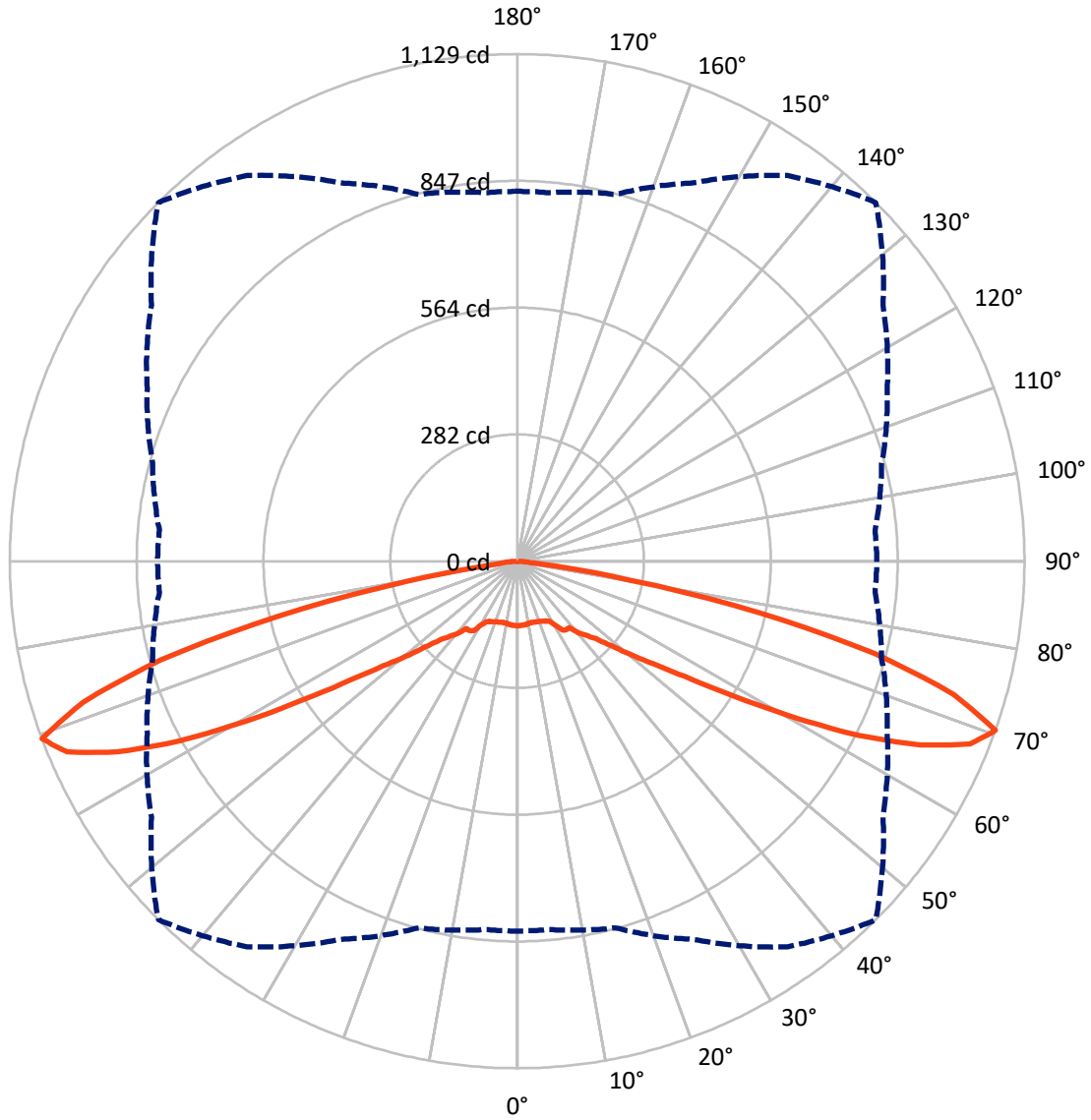
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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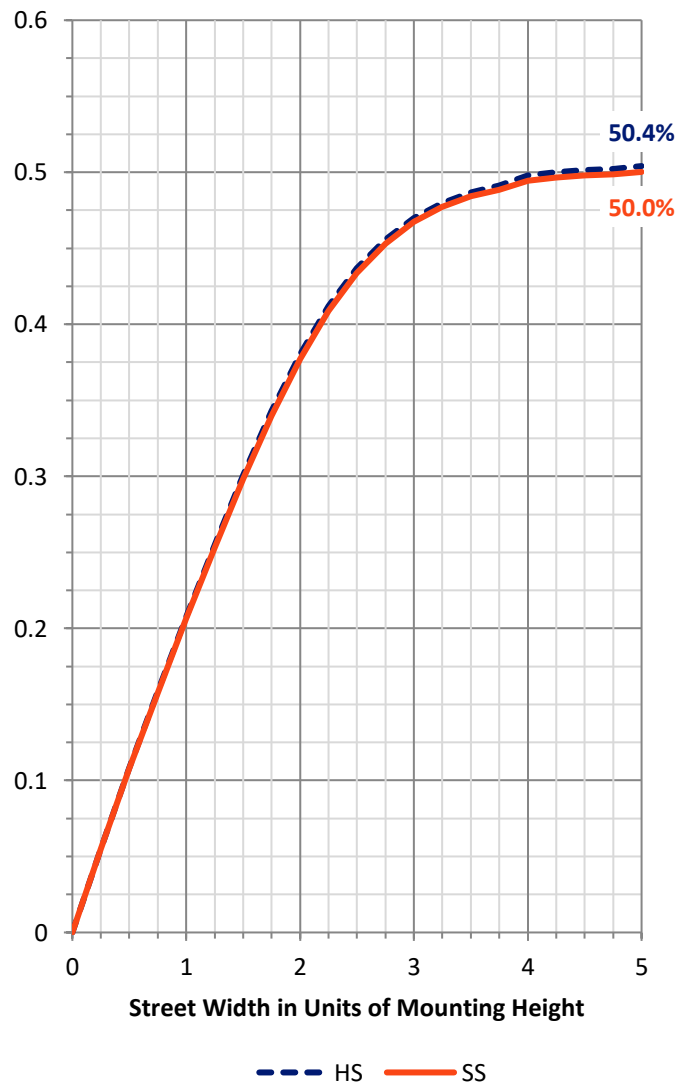
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1126.3	0.0	1126.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1126.3	0.0	1126.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	2252.6	0.0	2252.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.6	0.6
10°-20°	40.4	1.8
20°-30°	70.2	3.1
30°-40°	114.5	5.1
40°-50°	199.1	8.8
50°-60°	415.5	18.4
60°-70°	852.3	37.8
70°-80°	522.1	23.2
80°-90°	25.1	1.1
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°	2252.6	100.0
0°-180°	2252.6	100.0

Coefficient of Utilization

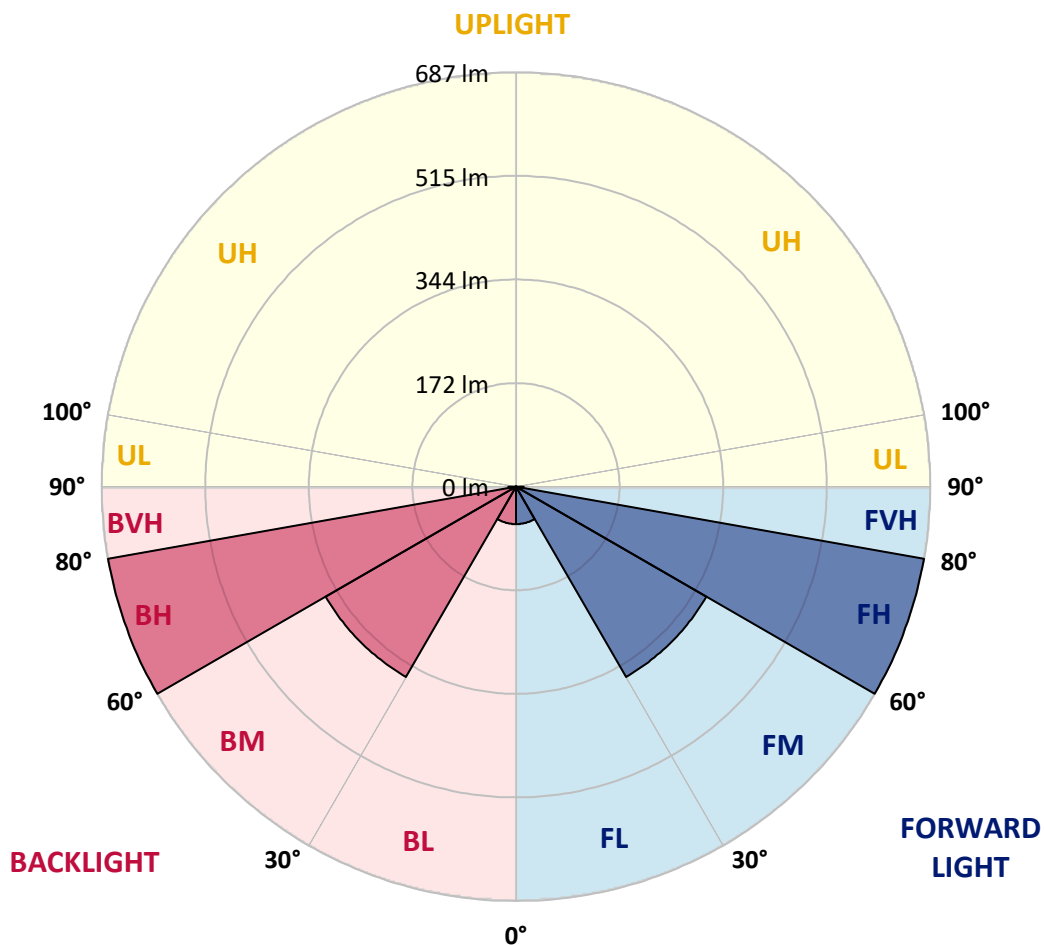


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	62.1	2.8			
FM (30°-60°)	364.5	16.2			
FH (60°-80°)	687.2	30.5			G1/1800
FVH (80°-90°)	12.5	0.6			G1/100
BL (0°-30°)	62.1	2.8	B0/110		
BM (30°-60°)	364.5	16.2	B1/1000		
BH (60°-80°)	687.2	30.5	B2/1000		G1/1800
BVH (80°-90°)	12.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	144.1	144.1	144.1	144.1	144.1	144.1	144.1	144.1	144.1	144.1	144.1
2.5°	143.0	143.0	143.0	143.0	143.0	143.0	144.1	144.1	144.1	145.2	145.2
5°	144.1	143.0	143.0	143.0	143.0	143.0	143.0	143.0	144.1	144.1	144.1
7.5°	143.0	143.0	143.0	141.9	141.9	141.9	141.9	141.9	141.9	141.9	141.9
10°	143.0	141.9	141.9	140.8	140.8	140.8	140.8	140.8	140.8	141.9	141.9
12.5°	144.1	143.0	141.9	140.8	139.7	139.7	139.7	139.7	141.9	141.9	143.0
15°	146.3	145.2	143.0	140.8	139.7	140.8	140.8	140.8	143.0	144.1	144.1
17.5°	147.4	146.3	144.1	141.9	140.8	141.9	141.9	141.9	144.1	146.3	146.3
20°	149.6	147.4	144.1	143.0	143.0	143.0	143.0	143.0	145.2	147.4	147.4
22.5°	150.6	148.5	145.2	144.1	144.1	145.2	145.2	145.2	146.3	148.5	149.6
25°	153.9	151.7	149.6	147.4	148.5	147.4	147.4	147.4	149.6	151.7	151.7
27.5°	160.5	158.3	155.0	152.8	152.8	151.7	152.8	153.9	156.1	158.3	159.4
30°	168.1	165.9	164.8	163.7	163.7	162.6	162.6	163.7	165.9	168.1	168.1
32.5°	168.1	168.1	167.0	169.2	176.8	182.3	176.8	170.3	169.2	169.2	170.3
35°	176.8	175.7	174.7	173.6	180.1	187.8	182.3	173.6	175.7	176.8	177.9
37.5°	196.5	195.4	193.2	187.8	188.8	187.8	187.8	186.7	189.9	192.1	192.1
40°	206.3	204.1	204.1	206.3	211.8	209.6	206.3	206.3	206.3	207.4	208.5
42.5°	227.1	224.9	222.7	221.6	222.7	226.0	220.5	219.4	223.8	228.1	230.3
45°	254.3	252.2	250.0	247.8	244.5	245.6	243.4	247.8	252.2	256.5	258.7
47.5°	287.1	284.9	282.7	280.5	279.5	280.5	277.3	281.6	286.0	290.4	292.6
50°	330.8	328.6	325.3	322.0	320.9	326.4	322.0	326.4	330.8	335.1	338.4
52.5°	379.9	378.8	378.8	376.6	374.4	378.8	374.4	377.7	384.2	386.4	390.8
55°	439.9	437.7	438.8	444.3	446.5	453.0	448.7	447.6	448.7	443.2	446.5
57.5°	514.1	510.9	516.3	531.6	551.3	562.2	551.3	538.2	518.5	508.7	515.2
60°	608.0	602.6	614.6	638.6	679.0	701.9	680.1	643.0	606.9	594.9	604.8
62.5°	753.2	745.6	747.8	775.0	825.3	854.7	820.9	766.3	732.5	721.6	734.7
65°	856.9	852.5	872.2	926.8	973.7	985.7	944.2	899.5	859.1	826.3	838.4
67.5°	882.0	878.7	900.6	979.2	1076.3	1087.2	1022.8	953.0	892.9	863.5	871.1
70°	823.1	823.1	844.9	929.0	1047.9	1128.7	993.4	908.2	839.4	799.1	800.1
72.5°	591.7	610.2	656.1	772.9	933.3	1016.3	870.0	735.7	630.9	576.4	566.5
75°	277.3	287.1	326.4	466.1	688.8	823.1	651.7	472.7	358.0	303.5	284.9
77.5°	67.7	77.5	110.3	207.4	388.6	546.9	382.1	222.7	137.5	107.0	97.2
80°	28.4	29.5	30.6	38.2	108.1	255.4	151.7	74.2	49.1	42.6	39.3
82.5°	13.1	15.3	18.6	19.6	25.1	45.8	46.9	36.0	31.7	28.4	25.1
85°	5.5	6.5	9.8	10.9	14.2	15.3	17.5	20.7	20.7	14.2	13.1
87.5°	1.1	2.2	3.3	3.3	4.4	4.4	5.5	7.6	9.8	5.5	4.4
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)