

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: P565318

Luminaire Tested: **IFLD-S-SA3A-AMB-U-5WQ**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565318
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3A-AMB-U-5WQ
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ 5WQ distribution lens
Light Source: (48) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

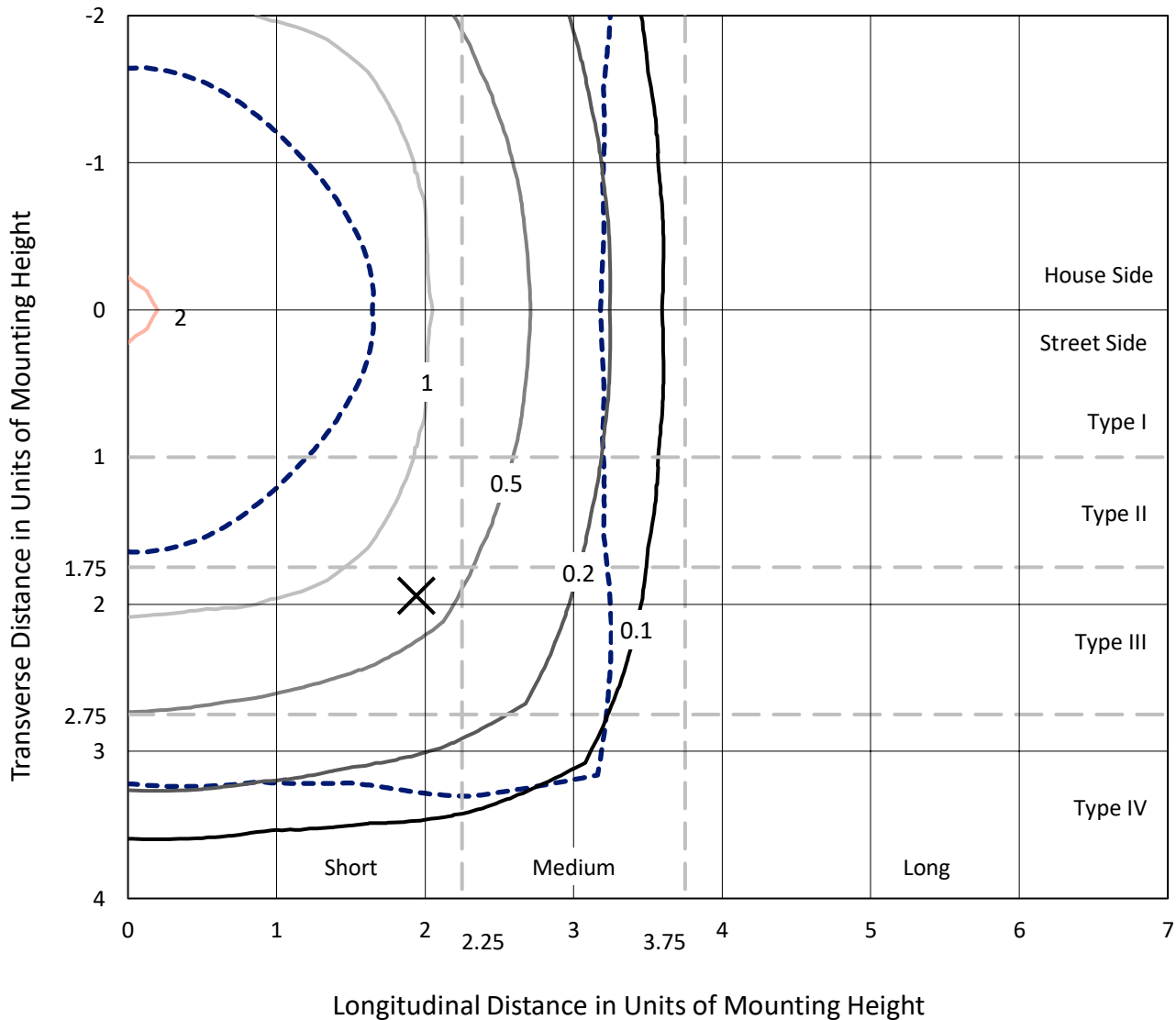
Lumens per Lamp: N/A
Luminaire Lumens: 3357 lumens
Efficiency: N/A
Efficacy: 54.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 61.2
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

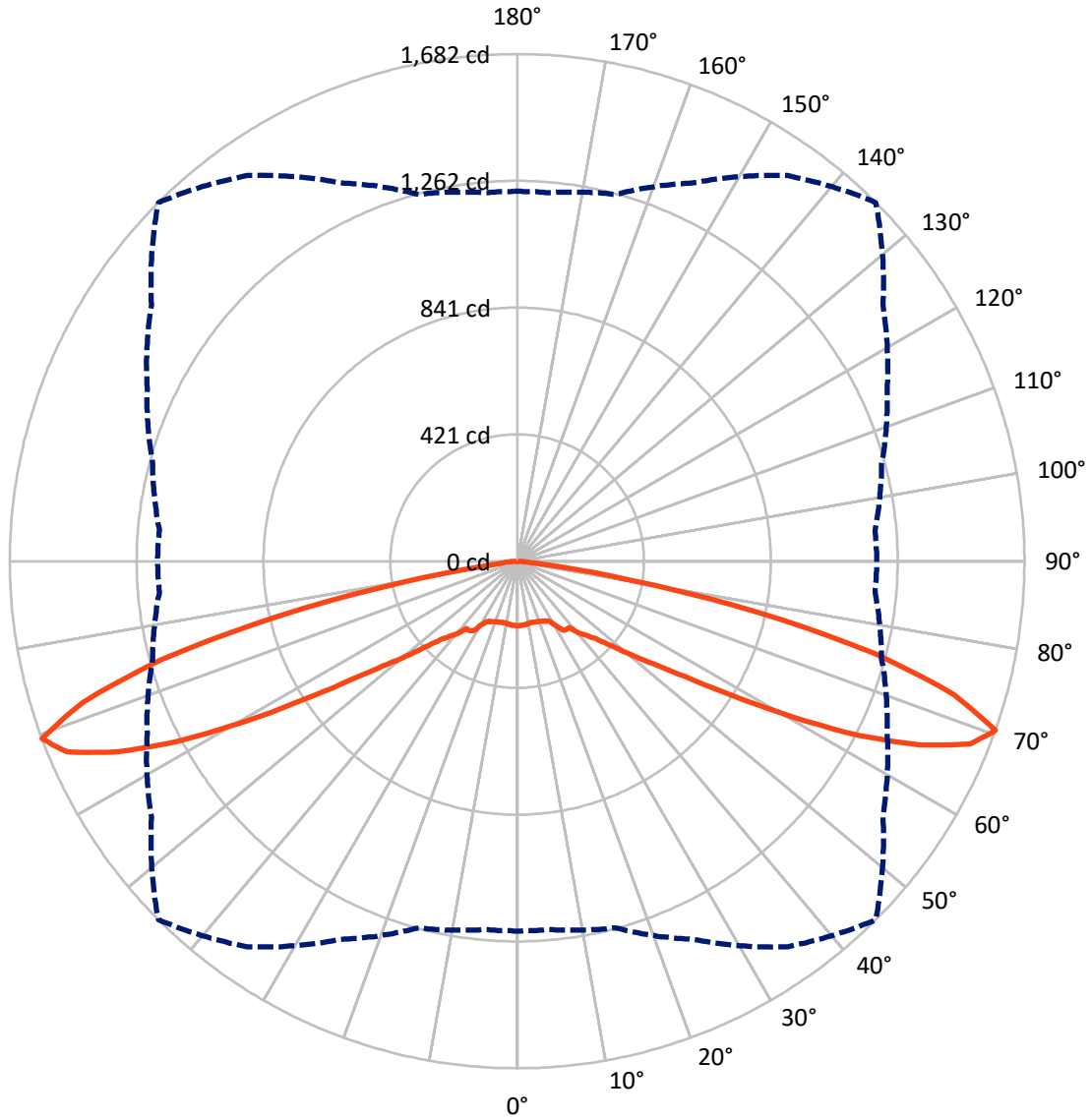
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.1 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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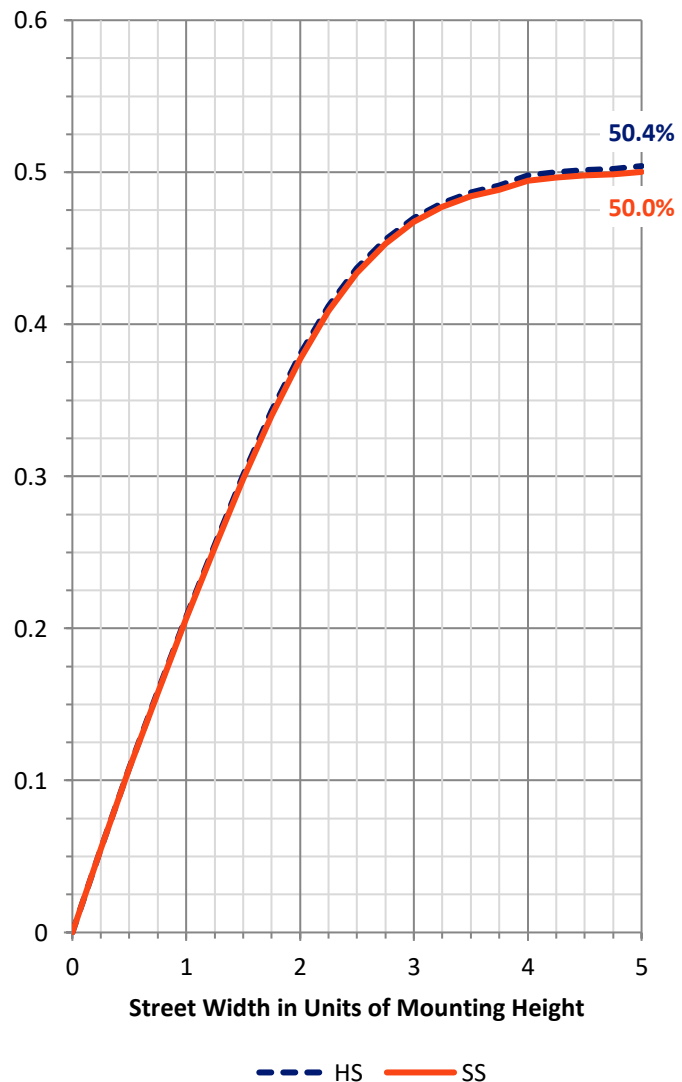
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1678.5	0.0	1678.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1678.5	0.0	1678.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3357.0	0.0	3357.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.3	0.6
10°-20°	60.2	1.8
20°-30°	104.6	3.1
30°-40°	170.6	5.1
40°-50°	296.7	8.8
50°-60°	619.2	18.4
60°-70°	1270.1	37.8
70°-80°	778.0	23.2
80°-90°	37.3	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°	3357.0	100.0
0°-180°	3357.0	100.0

Coefficient of Utilization

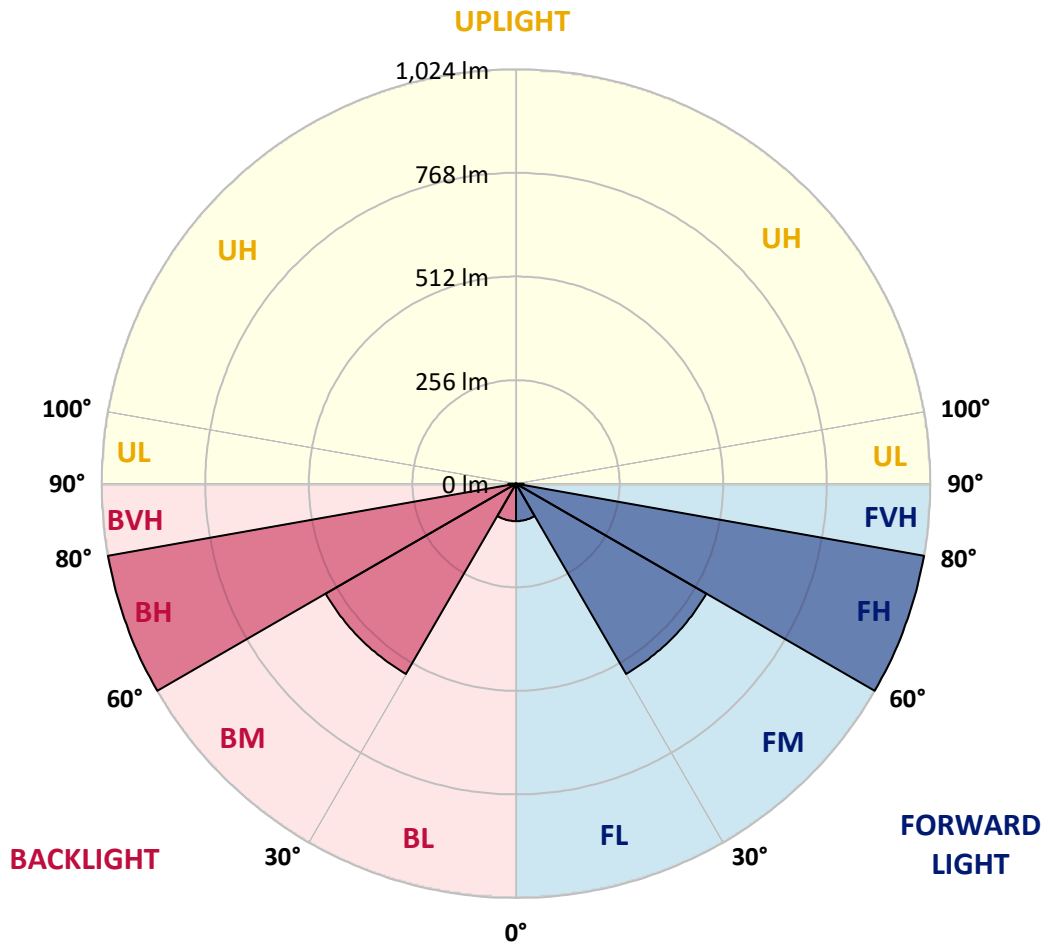


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	92.5	2.8			
FM (30°-60°)	543.2	16.2			
FH (60°-80°)	1024.1	30.5			G1/1800
FVH (80°-90°)	18.7	0.6			G1/100
BL (0°-30°)	92.5	2.8	B0/110		
BM (30°-60°)	543.2	16.2	B1/1000		
BH (60°-80°)	1024.1	30.5	B3/2500		G1/1800
BVH (80°-90°)	18.7	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	214.7	214.7	214.7	214.7	214.7	214.7	214.7	214.7	214.7	214.7	214.7
2.5°	213.1	213.1	213.1	213.1	213.1	213.1	214.7	214.7	214.7	216.4	216.4
5°	214.7	213.1	213.1	213.1	213.1	213.1	213.1	213.1	214.7	214.7	214.7
7.5°	213.1	213.1	213.1	211.5	211.5	211.5	211.5	211.5	211.5	211.5	211.5
10°	213.1	211.5	211.5	209.9	209.9	209.9	209.9	209.9	209.9	211.5	211.5
12.5°	214.7	213.1	211.5	209.9	208.2	208.2	208.2	208.2	211.5	211.5	213.1
15°	218.0	216.4	213.1	209.9	208.2	209.9	209.9	209.9	213.1	214.7	214.7
17.5°	219.6	218.0	214.7	211.5	209.9	211.5	211.5	211.5	214.7	218.0	218.0
20°	222.9	219.6	214.7	213.1	213.1	213.1	213.1	213.1	216.4	219.6	219.6
22.5°	224.5	221.2	216.4	214.7	214.7	216.4	216.4	216.4	218.0	221.2	222.9
25°	229.4	226.1	222.9	219.6	221.2	219.6	219.6	219.6	222.9	226.1	226.1
27.5°	239.1	235.9	231.0	227.8	227.8	226.1	227.8	229.4	232.6	235.9	237.5
30°	250.5	247.3	245.6	244.0	244.0	242.4	242.4	244.0	247.3	250.5	250.5
32.5°	250.5	250.5	248.9	252.2	263.5	271.7	263.5	253.8	252.2	252.2	253.8
35°	263.5	261.9	260.3	258.7	268.4	279.8	271.7	258.7	261.9	263.5	265.2
37.5°	292.8	291.2	287.9	279.8	281.4	279.8	279.8	278.2	283.1	286.3	286.3
40°	307.5	304.2	304.2	307.5	315.6	312.3	307.5	307.5	307.5	309.1	310.7
42.5°	338.4	335.1	331.9	330.2	331.9	336.7	328.6	327.0	333.5	340.0	343.3
45°	379.0	375.8	372.5	369.3	364.4	366.0	362.8	369.3	375.8	382.3	385.6
47.5°	427.8	424.6	421.3	418.1	416.5	418.1	413.2	419.7	426.2	432.7	436.0
50°	492.9	489.7	484.8	479.9	478.3	486.4	479.9	486.4	492.9	499.4	504.3
52.5°	566.1	564.5	564.5	561.2	558.0	564.5	558.0	562.9	572.6	575.9	582.4
55°	655.6	652.3	654.0	662.1	665.4	675.1	668.6	667.0	668.6	660.5	665.4
57.5°	766.2	761.3	769.5	792.2	821.5	837.8	821.5	802.0	772.7	758.1	767.8
60°	906.1	898.0	915.9	951.7	1011.9	1046.0	1013.5	958.2	904.5	886.6	901.2
62.5°	1122.5	1111.1	1114.4	1155.0	1229.9	1273.8	1223.3	1142.0	1091.6	1075.3	1094.8
65°	1277.0	1270.5	1299.8	1381.1	1451.1	1469.0	1407.2	1340.5	1280.3	1231.5	1249.4
67.5°	1314.4	1309.6	1342.1	1459.2	1604.0	1620.3	1524.3	1420.2	1330.7	1286.8	1298.2
70°	1226.6	1226.6	1259.1	1384.4	1561.7	1682.1	1480.4	1353.5	1251.0	1190.8	1192.4
72.5°	881.7	909.4	977.7	1151.8	1390.9	1514.5	1296.6	1096.5	940.3	858.9	844.3
75°	413.2	427.8	486.4	694.6	1026.5	1226.6	971.2	704.4	533.6	452.2	424.6
77.5°	100.9	115.5	164.3	309.1	579.1	815.0	569.4	331.9	205.0	159.4	144.8
80°	42.3	43.9	45.6	56.9	161.1	380.7	226.1	110.6	73.2	63.4	58.6
82.5°	19.5	22.8	27.7	29.3	37.4	68.3	70.0	53.7	47.2	42.3	37.4
85°	8.1	9.8	14.6	16.3	21.1	22.8	26.0	30.9	30.9	21.1	19.5
87.5°	1.6	3.3	4.9	4.9	6.5	6.5	8.1	11.4	14.6	8.1	6.5
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)