

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: P565314

Luminaire Tested: **IFLD-M-SA4A-AMB-U-5MQ**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565314
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4A-AMB-U-5MQ
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ 5MQ distribution lens
Light Source: (48) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

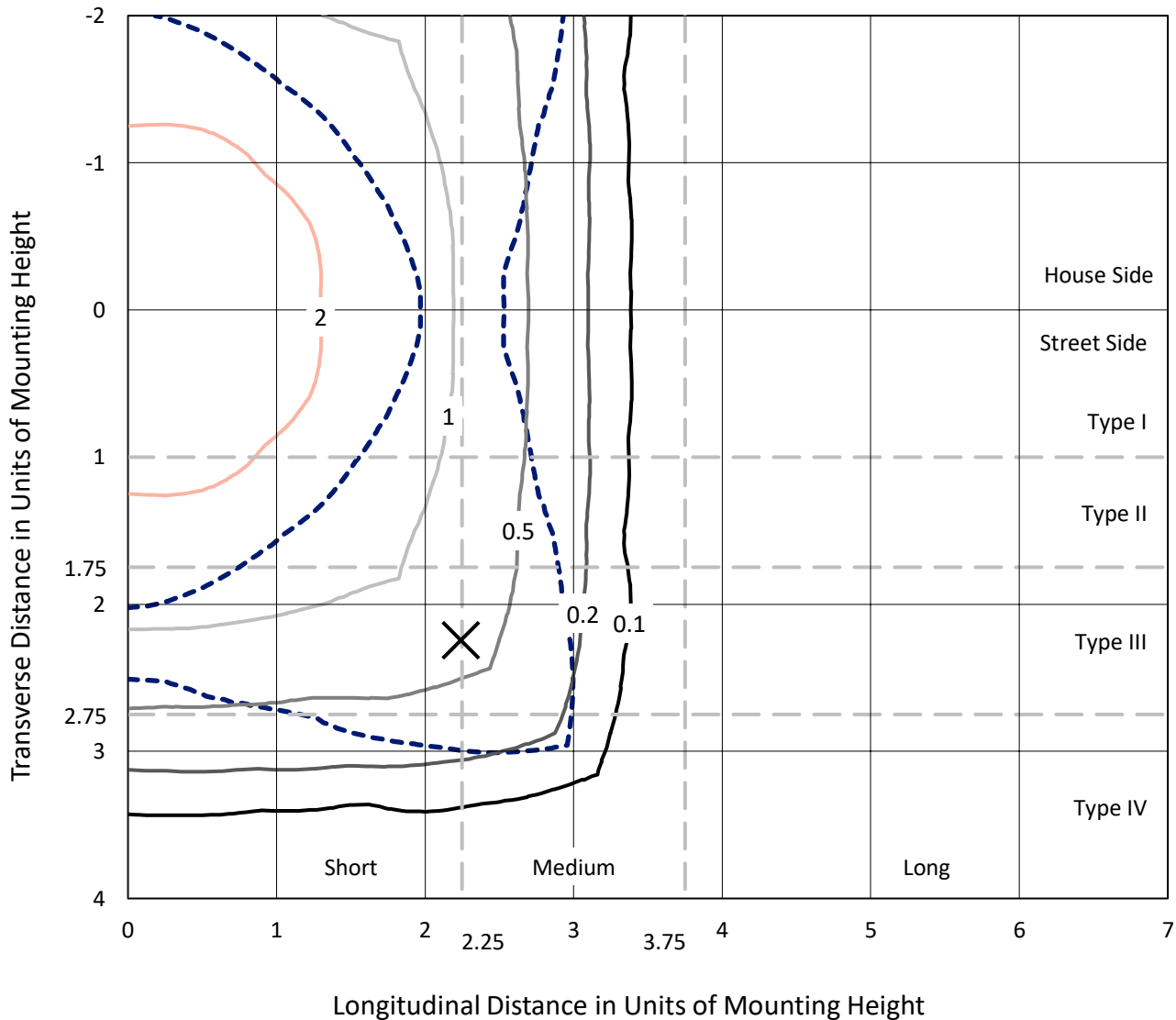
Lumens per Lamp: N/A
Luminaire Lumens: 4431.5 lumens
Efficiency: N/A
Efficacy: 53.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 83
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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 CATALOG NUMBER: IFLD-M-SA4A-AMB-U-5MQ

Iso-Footcandle Lines of Horizontal Illumination

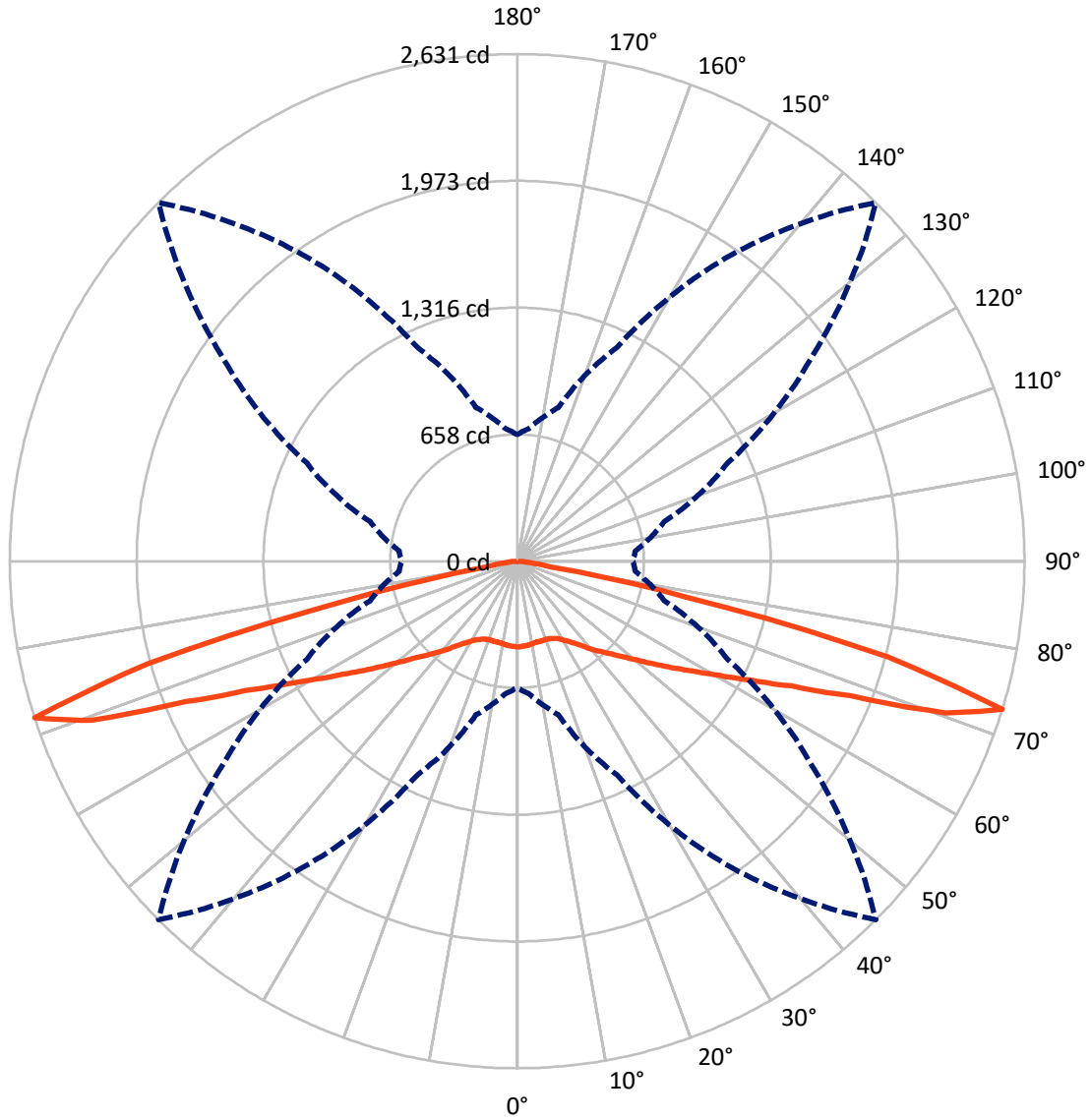
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type V - Short - N/A

REPORT NUMBER: P565314
CATALOG NUMBER: IFLD-M-SA4A-AMB-U-5MQ

Luminous Intensity Polar Plot



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

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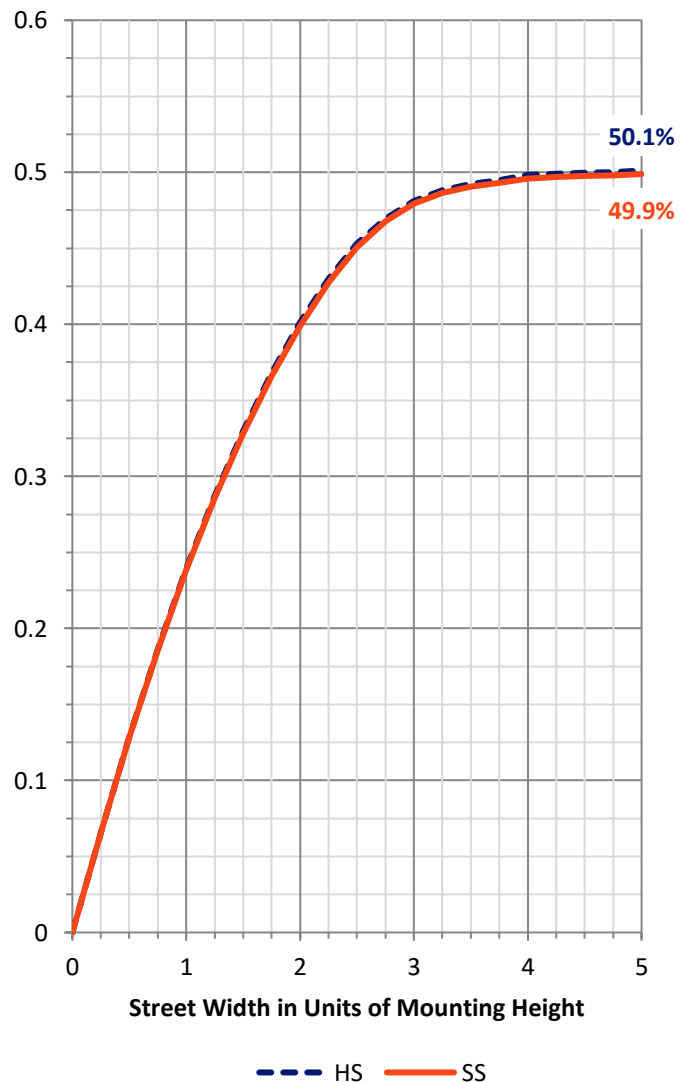
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2215.8	0.0	2215.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2215.8	0.0	2215.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	4431.5	0.0	4431.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.9	0.9
10°-20°	121.5	2.7
20°-30°	203.3	4.6
30°-40°	331.0	7.5
40°-50°	541.4	12.2
50°-60°	890.2	20.1
60°-70°	1447.5	32.7
70°-80°	818.4	18.5
80°-90°	36.3	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°	4431.5	100.0
0°-180°	4431.5	100.0

Coefficient of Utilization

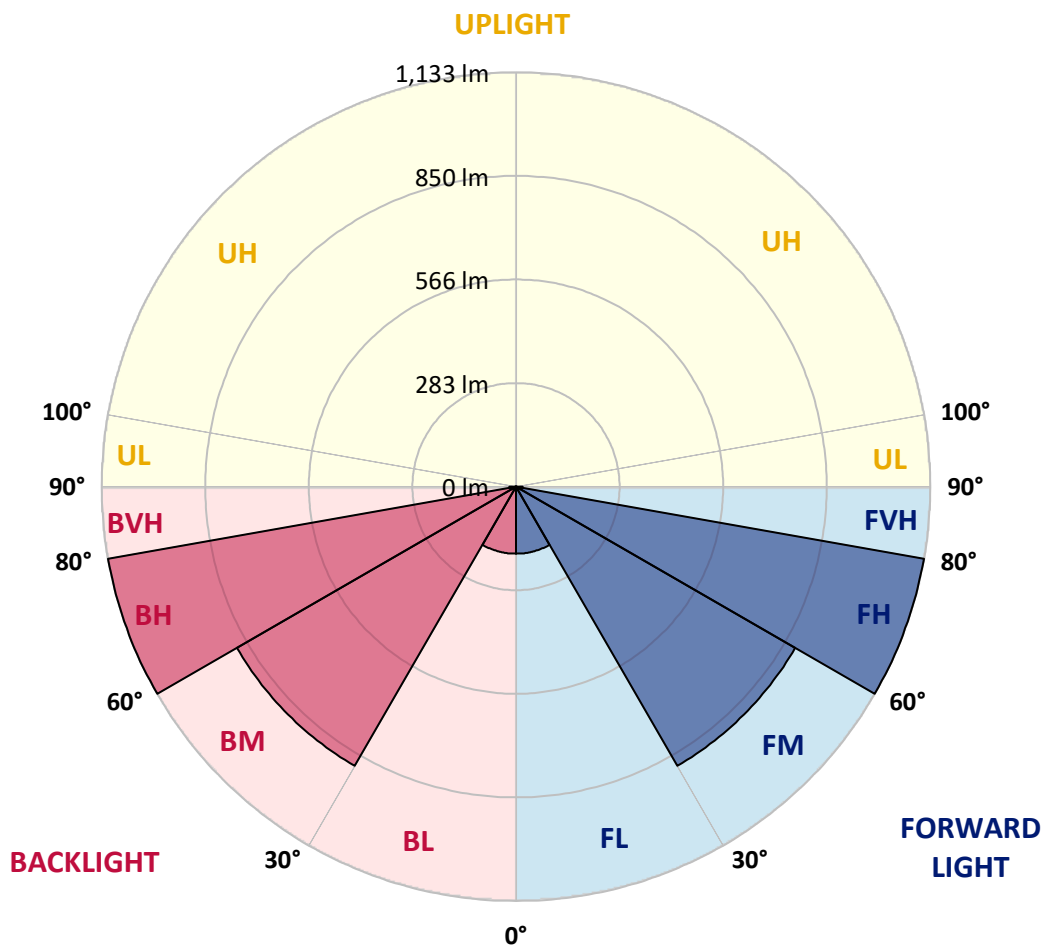


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	183.4	4.1			
FM (30°-60°)	881.3	19.9			
FH (60°-80°)	1132.9	25.6			G1/1800
FVH (80°-90°)	18.1	0.4			G1/100
BL (0°-30°)	183.4	4.1	B1/500		
BM (30°-60°)	881.3	19.9	B1/1000		
BH (60°-80°)	1132.9	25.6	B3/2500		G1/1800
BVH (80°-90°)	18.1	0.4			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°	445.2	445.2	445.2	445.2	445.2	445.2	445.2	445.2	445.2	445.2	445.2
2.5°	441.0	441.0	441.0	441.0	441.0	443.1	443.1	445.2	445.2	447.3	447.3
5°	441.0	441.0	441.0	441.0	441.0	441.0	443.1	443.1	443.1	443.1	445.2
7.5°	438.9	438.9	438.9	438.9	436.7	438.9	438.9	438.9	441.0	441.0	441.0
10°	432.5	432.5	432.5	432.5	432.5	434.6	434.6	434.6	434.6	436.7	436.7
12.5°	428.3	428.3	428.3	430.4	430.4	432.5	432.5	430.4	430.4	430.4	430.4
15°	426.1	424.0	426.1	428.3	430.4	432.5	432.5	428.3	428.3	426.1	426.1
17.5°	424.0	421.9	424.0	426.1	430.4	432.5	430.4	426.1	426.1	424.0	424.0
20°	419.8	419.8	421.9	426.1	430.4	432.5	432.5	426.1	424.0	421.9	421.9
22.5°	419.8	419.8	424.0	430.4	434.6	436.7	434.6	428.3	424.0	419.8	419.8
25°	424.0	424.0	430.4	436.7	443.1	445.2	441.0	434.6	430.4	424.0	421.9
27.5°	436.7	434.6	441.0	449.5	453.7	455.8	453.7	445.2	438.9	432.5	432.5
30°	457.9	455.8	462.2	470.7	474.9	474.9	470.7	464.3	457.9	451.6	451.6
32.5°	483.4	483.4	489.7	496.1	500.3	498.2	496.1	494.0	489.7	483.4	485.5
35°	504.6	506.7	517.3	525.8	530.0	525.8	525.8	525.8	521.5	515.2	513.1
37.5°	534.3	536.4	547.0	559.7	566.1	561.8	563.9	557.6	549.1	542.7	542.7
40°	576.7	576.7	589.4	600.0	606.3	602.1	604.2	600.0	593.6	587.3	589.4
42.5°	619.1	621.2	633.9	646.6	646.6	642.4	644.5	646.6	642.4	633.9	631.8
45°	669.9	672.1	686.9	697.5	693.3	686.9	693.3	703.9	695.4	686.9	689.0
47.5°	725.1	727.2	744.1	754.7	752.6	742.0	754.7	763.2	756.9	742.0	739.9
50°	784.4	786.5	809.9	822.6	824.7	807.7	824.7	837.4	824.7	805.6	803.5
52.5°	852.3	860.7	884.1	903.1	898.9	884.1	901.0	918.0	907.4	886.2	881.9
55°	937.1	941.3	968.9	992.2	994.3	975.2	996.4	1011.3	996.4	968.9	964.6
57.5°	1024.0	1036.7	1062.2	1089.7	1100.3	1074.9	1104.6	1113.0	1085.5	1051.6	1049.4
60°	1113.0	1125.8	1157.6	1200.0	1219.0	1204.2	1223.3	1214.8	1174.5	1134.2	1130.0
62.5°	1255.1	1259.3	1286.9	1327.2	1359.0	1356.8	1363.2	1339.9	1312.3	1280.5	1284.8
65°	1367.4	1369.6	1426.8	1484.0	1545.5	1560.4	1541.3	1518.0	1479.8	1399.2	1401.4
67.5°	1367.4	1382.3	1481.9	1634.6	1785.1	1863.5	1791.5	1670.6	1522.2	1399.2	1403.5
70°	1178.8	1174.5	1333.5	1609.1	2031.0	2357.5	2014.1	1638.8	1327.2	1151.2	1151.2
72.5°	657.2	689.0	824.7	1223.3	1942.0	2631.0	1878.4	1204.2	788.7	614.8	600.0
75°	241.7	248.0	305.3	521.5	1176.6	1986.5	1130.0	481.3	258.6	214.1	214.1
77.5°	99.6	97.5	103.9	131.4	354.1	892.5	313.8	142.0	112.4	112.4	114.5
80°	57.2	59.4	63.6	67.8	84.8	182.3	103.9	82.7	76.3	74.2	76.3
82.5°	25.4	29.7	40.3	44.5	50.9	65.7	67.8	61.5	53.0	44.5	42.4
85°	12.7	10.6	19.1	23.3	29.7	36.0	40.3	42.4	38.2	23.3	23.3
87.5°	2.1	2.1	4.2	4.2	6.4	8.5	14.8	17.0	17.0	8.5	8.5
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)