

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: P565306

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

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565306
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-5NQ
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ 5NQ distribution lens
Light Source: (48) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

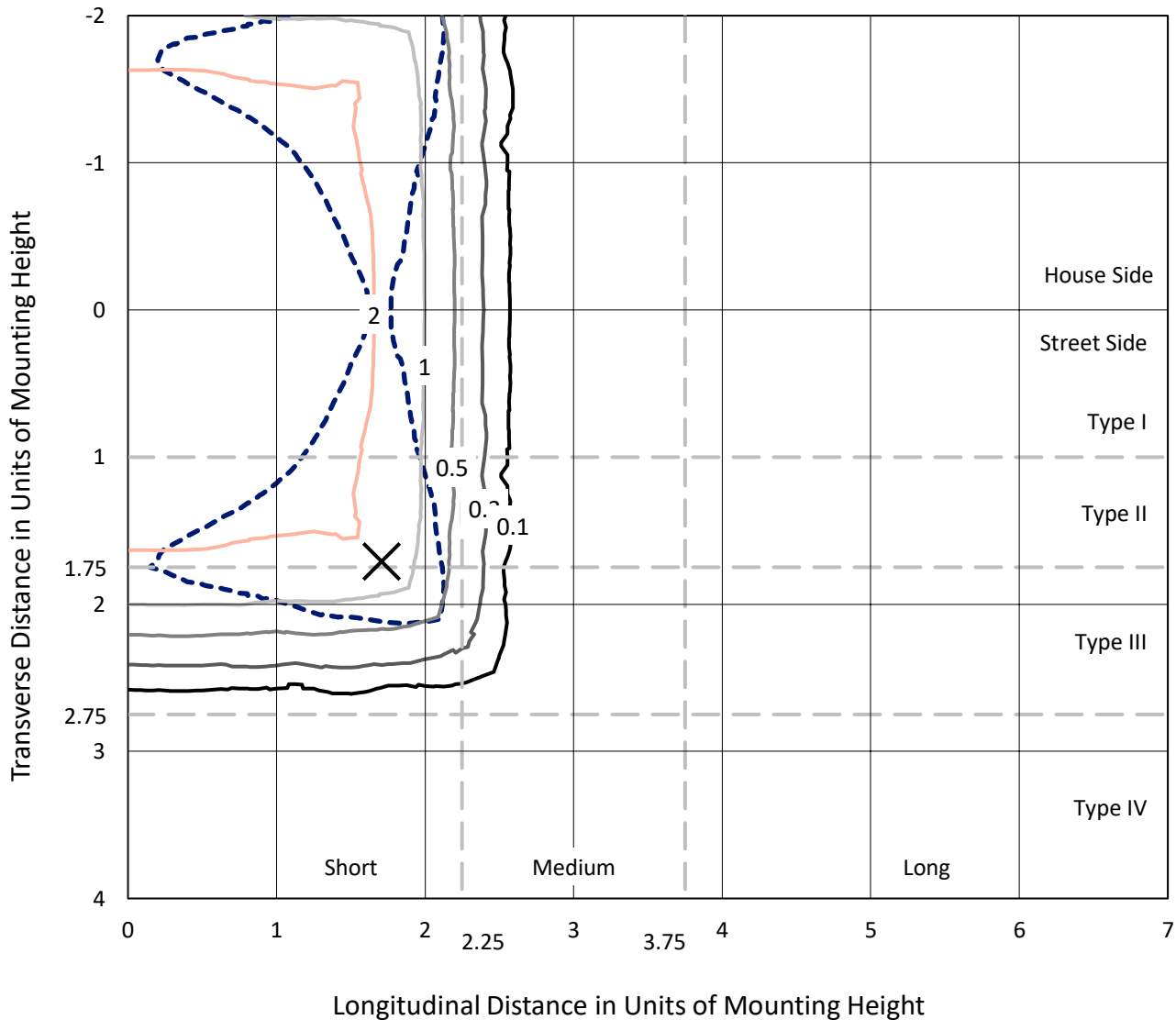
Lumens per Lamp: N/A
Luminaire Lumens: 4377.5 lumens
Efficiency: N/A
Efficacy: 52.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

Input Watts (W): 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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Iso-Footcandle Lines of Horizontal Illumination

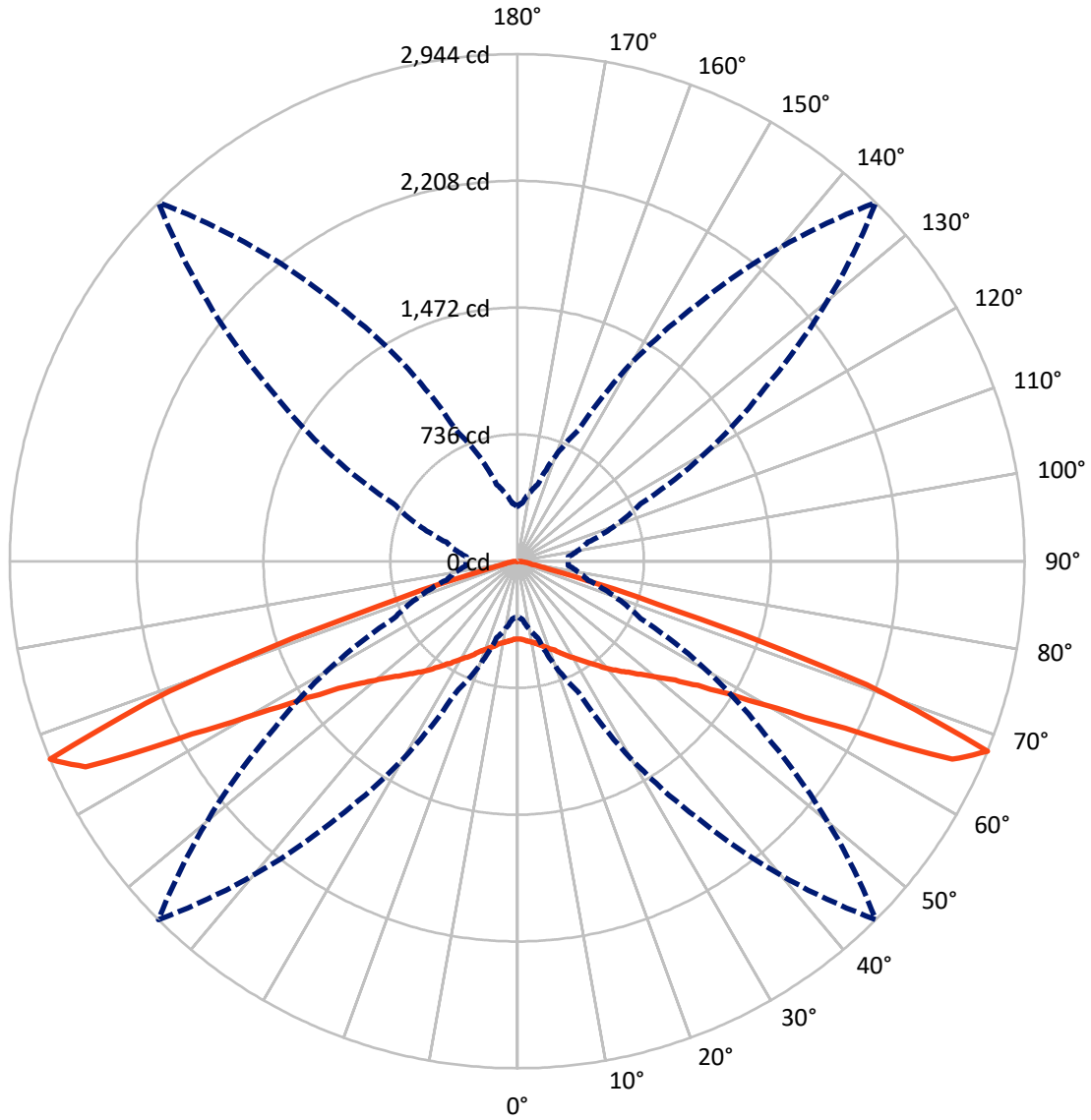
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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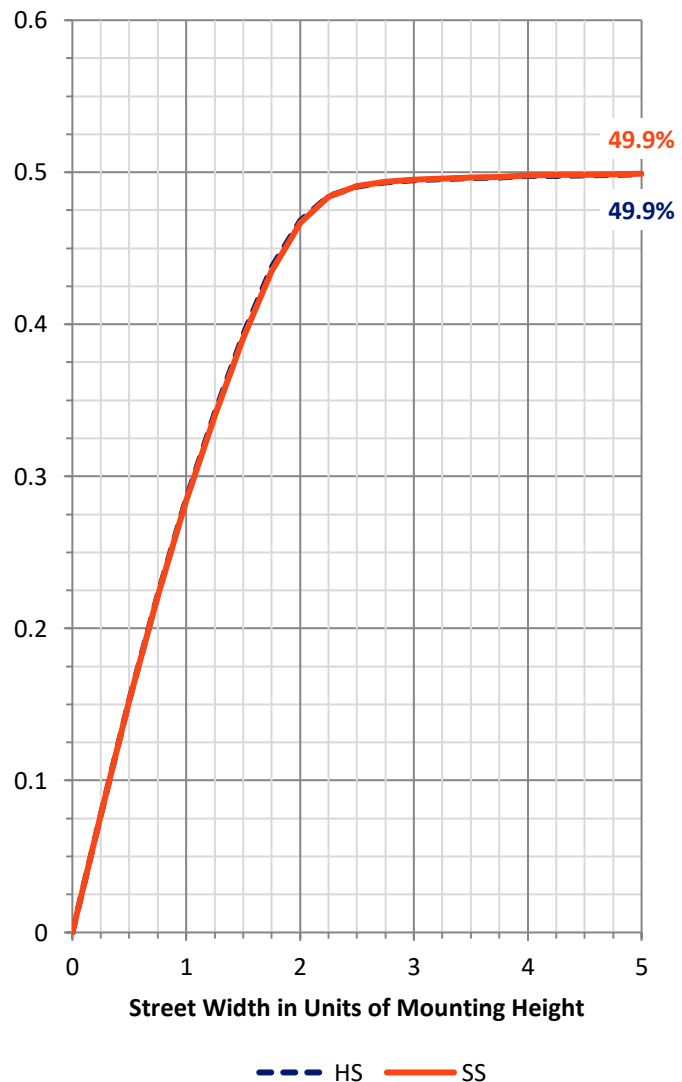
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2188.7	0.0	2188.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2188.7	0.0	2188.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	4377.5	0.0	4377.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.6	1.0
10°-20°	144.7	3.3
20°-30°	276.2	6.3
30°-40°	466.1	10.6
40°-50°	741.9	16.9
50°-60°	1187.4	27.1
60°-70°	1324.8	30.3
70°-80°	170.8	3.9
80°-90°	21.1	0.5
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°	4377.5	100.0
0°-180°	4377.5	100.0

Coefficient of Utilization

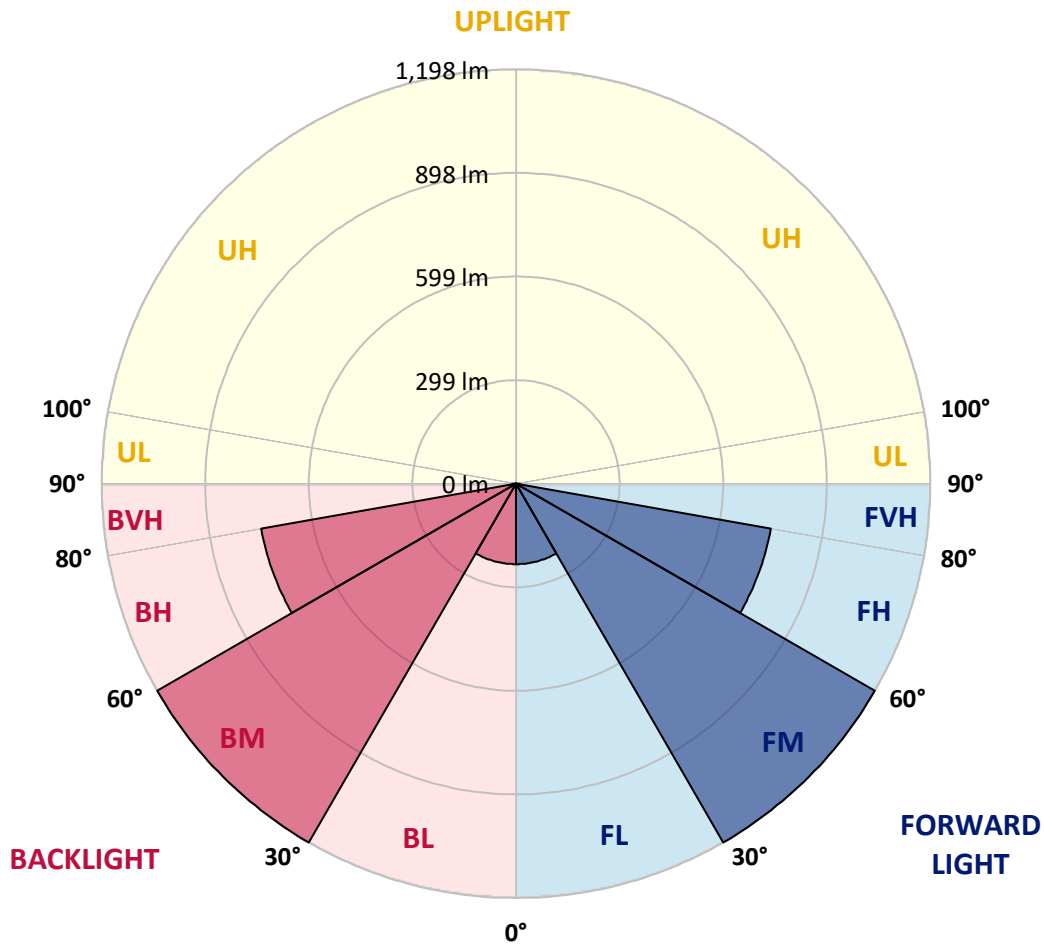


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	232.7	5.3			
FM (30°-60°)	1197.7	27.4			
FH (60°-80°)	747.8	17.1			G1/1800
FVH (80°-90°)	10.6	0.2			G1/100
BL (0°-30°)	232.7	5.3	B1/500		
BM (30°-60°)	1197.7	27.4	B2/2500		
BH (60°-80°)	747.8	17.1	B2/1000		G1/1800
BVH (80°-90°)	10.6	0.2			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°	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7
2.5°	450.7	450.7	450.7	450.7	450.7	452.8	452.8	452.8	455.0	455.0	455.0
5°	459.2	457.1	459.2	459.2	459.2	461.4	461.4	461.4	461.4	463.5	463.5
7.5°	470.0	470.0	470.0	470.0	470.0	470.0	470.0	470.0	470.0	472.1	472.1
10°	476.4	476.4	476.4	478.6	476.4	478.6	480.7	480.7	480.7	480.7	480.7
12.5°	487.1	487.1	489.3	489.3	489.3	489.3	491.4	491.4	491.4	491.4	491.4
15°	504.3	504.3	504.3	504.3	504.3	506.5	506.5	506.5	508.6	506.5	506.5
17.5°	519.3	519.3	521.5	521.5	521.5	523.6	525.8	523.6	525.8	523.6	523.6
20°	536.5	536.5	536.5	538.7	540.8	542.9	542.9	542.9	542.9	540.8	540.8
22.5°	558.0	555.8	558.0	560.1	560.1	562.3	564.4	564.4	564.4	562.3	562.3
25°	585.9	585.9	588.0	592.3	592.3	592.3	592.3	594.4	598.7	594.4	594.4
27.5°	613.8	613.8	618.1	622.3	620.2	622.3	622.3	626.6	626.6	626.6	624.5
30°	643.8	643.8	650.2	654.5	652.4	652.4	654.5	658.8	658.8	658.8	658.8
32.5°	678.1	680.3	686.7	691.0	686.7	688.9	691.0	695.3	695.3	691.0	693.2
35°	725.4	725.4	736.1	738.2	729.6	727.5	733.9	742.5	746.8	740.4	742.5
37.5°	764.0	766.1	781.2	785.4	781.2	772.6	783.3	794.0	798.3	789.7	787.6
40°	815.5	817.6	834.8	834.8	828.4	821.9	836.9	852.0	852.0	843.4	841.2
42.5°	871.3	871.3	894.9	894.9	879.9	871.3	890.6	912.1	914.2	901.3	899.2
45°	931.4	933.5	959.3	959.3	940.0	922.8	944.2	978.6	978.6	961.4	961.4
47.5°	989.3	989.3	1017.2	1023.7	1002.2	985.0	1010.8	1045.1	1040.8	1015.1	1008.6
50°	1047.3	1049.4	1081.6	1092.3	1077.3	1058.0	1088.0	1118.1	1105.2	1075.2	1075.2
52.5°	1148.1	1146.0	1178.2	1182.5	1167.4	1148.1	1178.2	1208.2	1197.5	1171.7	1165.3
55°	1261.9	1264.0	1304.8	1313.4	1289.8	1272.6	1304.8	1332.7	1321.9	1294.0	1291.9
57.5°	1373.5	1379.9	1425.0	1463.6	1467.9	1457.1	1480.8	1491.5	1465.7	1429.2	1422.8
60°	1442.1	1452.9	1543.0	1628.8	1703.9	1734.0	1719.0	1680.3	1577.3	1480.8	1474.3
62.5°	1300.5	1317.7	1465.7	1701.8	1993.6	2137.4	2030.1	1751.1	1474.3	1302.6	1300.5
65°	824.1	862.7	1094.5	1500.1	2113.8	2774.8	2146.0	1457.1	1012.9	806.9	806.9
67.5°	317.6	339.1	461.4	836.9	1815.5	2944.3	1755.4	791.9	424.9	296.2	298.3
70°	109.4	113.7	145.9	281.1	879.9	2152.5	824.1	255.4	143.8	113.7	115.9
72.5°	77.3	79.4	85.8	105.2	244.6	854.1	212.5	107.3	88.0	79.4	79.4
75°	57.9	60.1	66.5	77.3	100.9	193.1	98.7	79.4	70.8	62.2	60.1
77.5°	40.8	42.9	47.2	55.8	68.7	88.0	73.0	64.4	57.9	51.5	49.4
80°	27.9	30.0	36.5	38.6	42.9	62.2	55.8	53.7	47.2	38.6	36.5
82.5°	15.0	17.2	25.8	27.9	27.9	36.5	38.6	40.8	36.5	27.9	25.8
85°	8.6	8.6	12.9	15.0	17.2	17.2	21.5	25.8	27.9	17.2	17.2
87.5°	2.1	2.1	2.1	4.3	4.3	4.3	8.6	10.7	12.9	6.4	6.4
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)