

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: P565354

Luminaire Tested: **IFLD-M-SA4A-AMB-U-RW**

Issue Date: 09/02/2021

Test Information

Test Method: LM-79-08
Report Number: P565354
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-RW
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ RW distribution lens
Light Source: (48) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

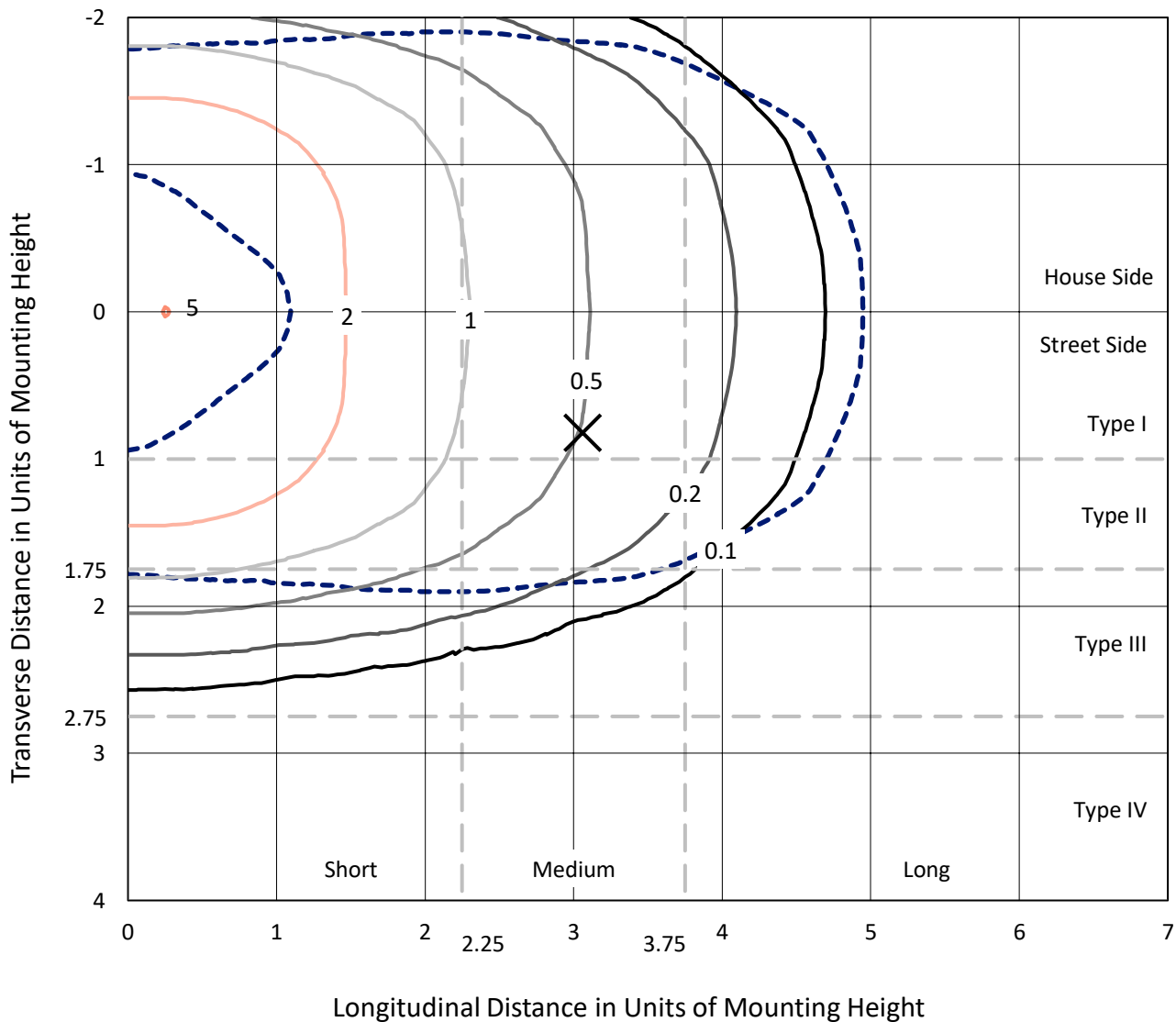
Lumens per Lamp: N/A
Luminaire Lumens: 4522.4 lumens
Efficiency: N/A
Efficacy: 54.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

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

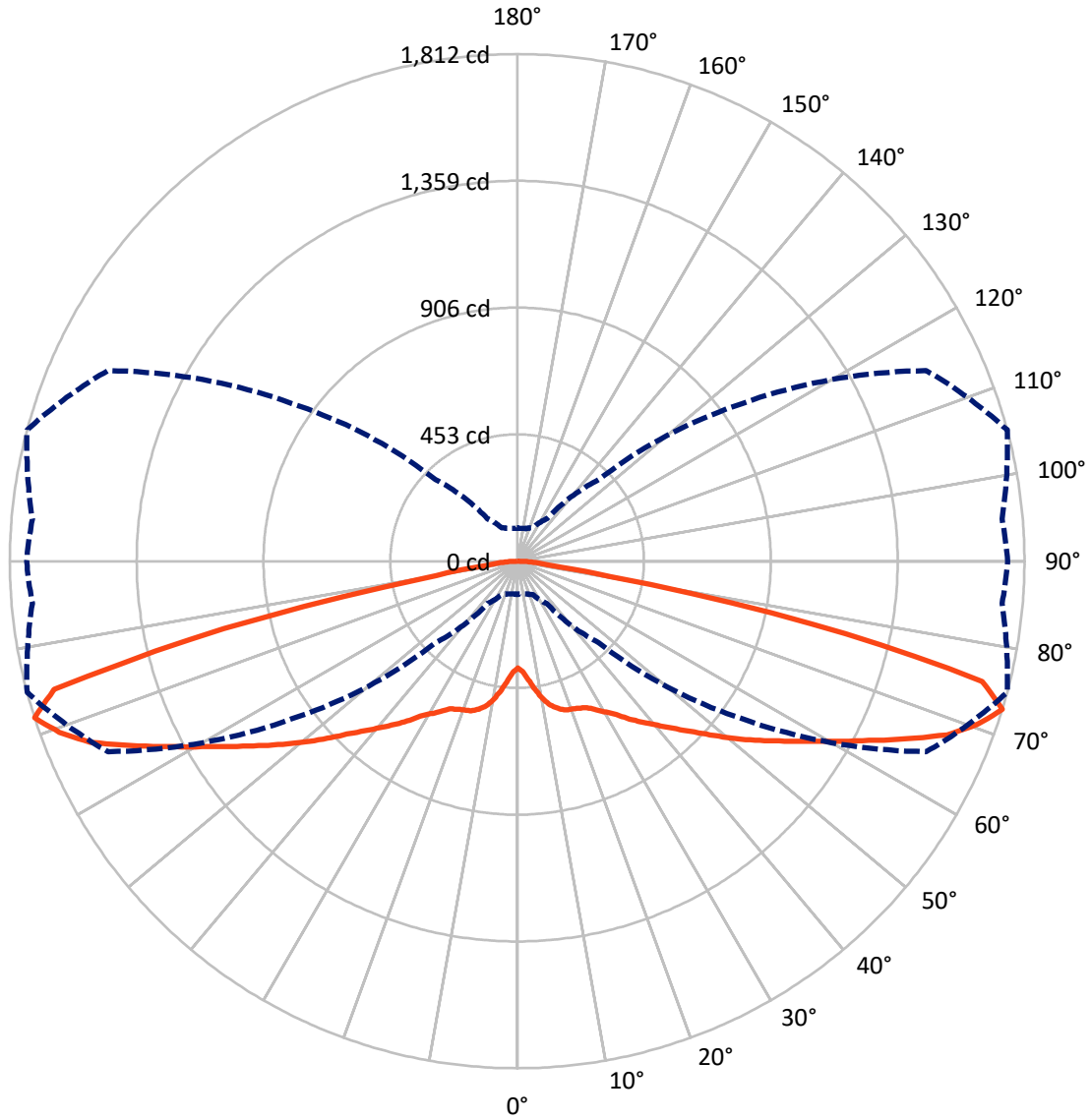
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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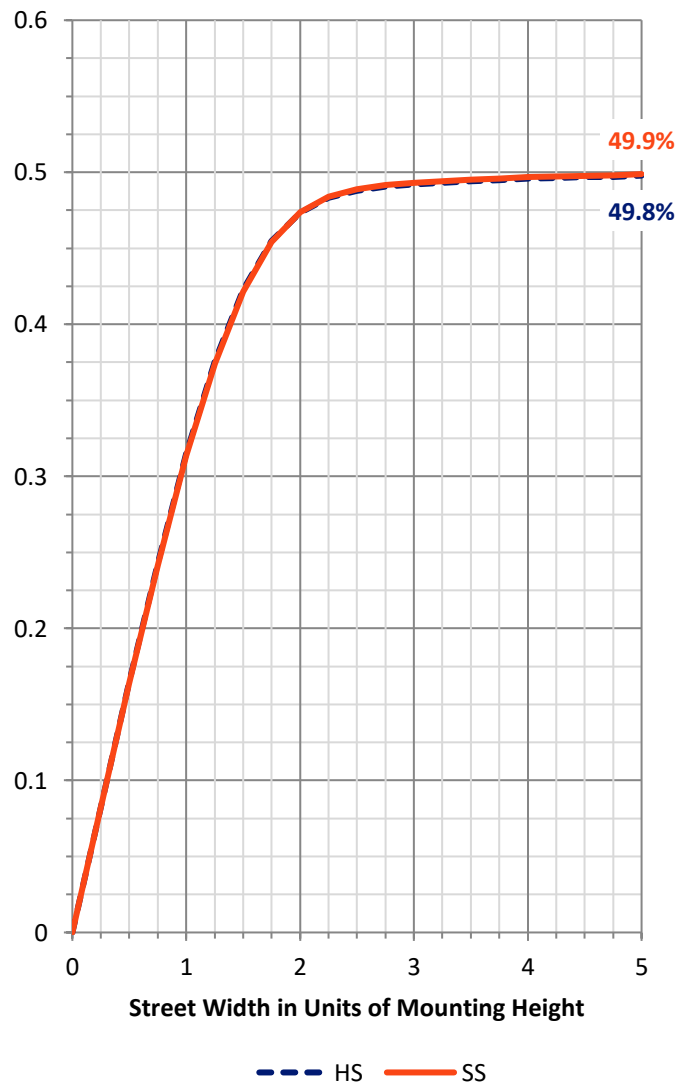
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2261.2	0.0	2261.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2261.2	0.0	2261.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	4522.4	0.0	4522.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.0	0.9
10°-20°	140.3	3.1
20°-30°	271.6	6.0
30°-40°	463.6	10.3
40°-50°	746.2	16.5
50°-60°	1069.7	23.7
60°-70°	1123.3	24.8
70°-80°	617.7	13.7
80°-90°	50.0	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°	4522.4	100.0
0°-180°	4522.4	100.0

Coefficient of Utilization

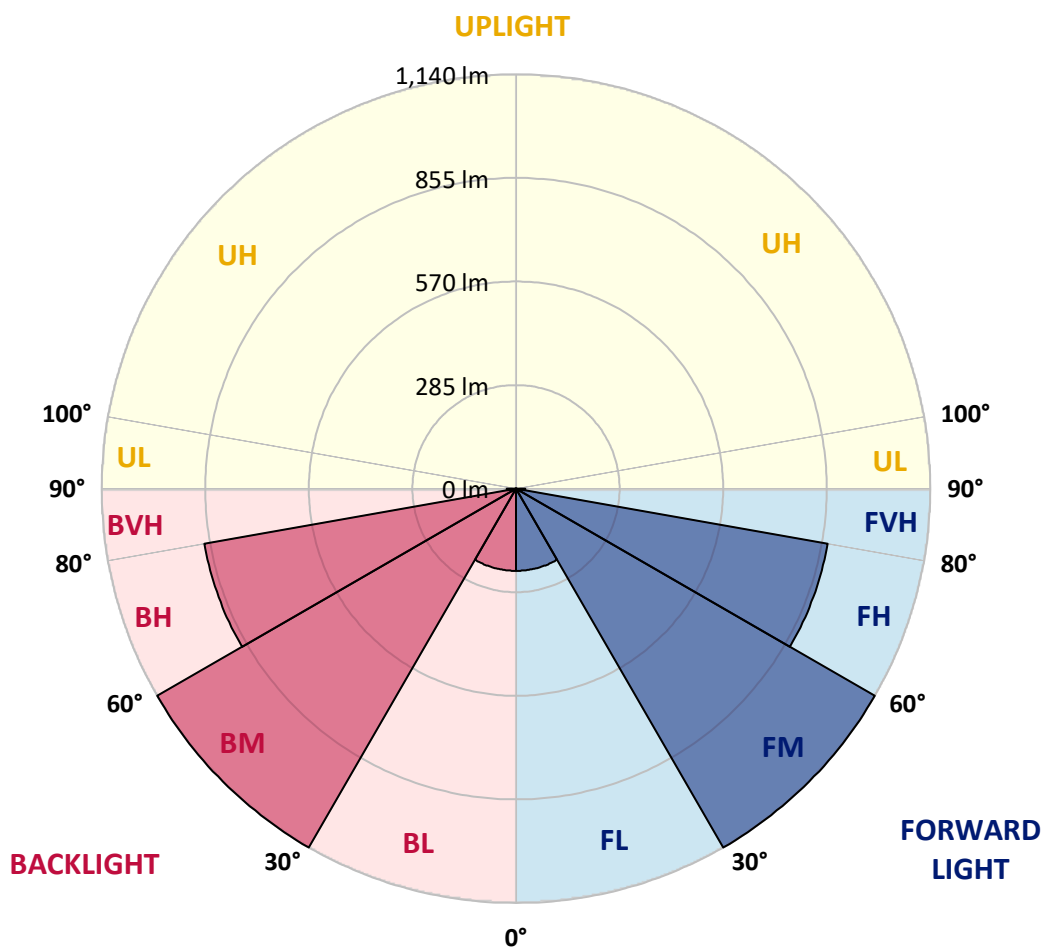


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	226.0	5.0			
FM (30°-60°)	1139.7	25.2			
FH (60°-80°)	870.5	19.2			G1/1800
FVH (80°-90°)	25.0	0.6			G1/100
BL (0°-30°)	226.0	5.0	B1/500		
BM (30°-60°)	1139.7	25.2	B2/2500		
BH (60°-80°)	870.5	19.2	B2/1000		G2/1000
BVH (80°-90°)	25.0	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-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1	381.1
2.5°	376.6	376.6	378.9	381.1	383.3	387.8	392.2	394.5	396.7	396.7	398.9
5°	378.9	378.9	381.1	387.8	394.5	403.4	412.3	419.0	425.7	427.9	430.1
7.5°	385.5	385.5	392.2	398.9	410.1	425.7	439.0	450.2	463.5	468.0	470.2
10°	392.2	392.2	401.1	414.5	430.1	447.9	468.0	483.6	499.2	508.1	510.3
12.5°	396.7	396.7	407.8	427.9	452.4	476.9	494.7	508.1	528.2	539.3	543.8
15°	407.8	407.8	423.4	447.9	479.1	503.7	521.5	532.6	546.0	561.6	563.8
17.5°	423.4	423.4	441.3	470.2	503.7	532.6	548.2	550.5	559.4	572.7	575.0
20°	441.3	441.3	463.5	497.0	532.6	559.4	572.7	566.1	563.8	575.0	577.2
22.5°	470.2	470.2	492.5	530.4	566.1	595.0	597.3	581.7	570.5	577.2	579.4
25°	499.2	499.2	523.7	563.8	610.6	635.1	630.7	606.2	579.4	583.9	586.1
27.5°	528.2	530.4	554.9	599.5	644.1	673.0	668.6	632.9	601.7	592.8	599.5
30°	568.3	570.5	599.5	641.8	681.9	706.5	706.5	666.3	626.2	610.6	612.9
32.5°	626.2	630.7	653.0	690.9	724.3	744.3	737.7	702.0	653.0	637.4	637.4
35°	686.4	688.6	713.1	746.6	773.3	784.5	773.3	739.9	693.1	670.8	675.3
37.5°	746.6	748.8	775.5	802.3	829.0	829.0	815.7	777.8	731.0	706.5	713.1
40°	813.4	817.9	842.4	873.6	889.2	882.5	864.7	822.3	771.1	746.6	751.0
42.5°	882.5	884.7	915.9	949.4	960.5	949.4	920.4	871.4	815.7	793.4	797.8
45°	944.9	944.9	980.6	1022.9	1036.3	1025.1	982.8	931.5	866.9	842.4	844.6
47.5°	1000.6	1002.9	1040.7	1085.3	1109.8	1105.4	1056.3	996.2	927.1	898.1	893.7
50°	1049.7	1056.3	1089.8	1138.8	1172.2	1183.4	1132.1	1063.0	993.9	958.3	951.6
52.5°	1089.8	1098.7	1134.3	1183.4	1225.7	1256.9	1212.3	1136.6	1063.0	1025.1	1022.9
55°	1103.1	1114.3	1158.9	1219.0	1268.1	1314.9	1288.1	1221.3	1134.3	1096.5	1100.9
57.5°	1074.2	1080.9	1145.5	1225.7	1305.9	1366.1	1355.0	1303.7	1214.6	1178.9	1192.3
60°	953.8	967.2	1049.7	1163.3	1303.7	1415.1	1424.1	1386.2	1305.9	1277.0	1288.1
62.5°	753.3	762.2	860.2	1007.3	1219.0	1437.4	1502.1	1473.1	1410.7	1383.9	1401.8
65°	468.0	476.9	575.0	751.0	1036.3	1372.8	1593.4	1584.5	1528.8	1499.8	1526.6
67.5°	263.0	267.4	318.7	434.6	722.1	1178.9	1613.5	1711.5	1655.8	1609.0	1629.1
70°	149.3	149.3	167.1	229.5	390.0	824.6	1408.5	1745.0	1745.0	1682.6	1695.9
72.5°	118.1	118.1	120.3	131.5	185.0	412.3	982.8	1611.3	1811.8	1738.3	1751.7
75°	100.3	98.1	100.3	102.5	109.2	160.5	488.1	1196.7	1716.0	1722.7	1733.8
77.5°	78.0	78.0	80.2	82.5	84.7	93.6	171.6	557.1	1074.2	1245.8	1268.1
80°	57.9	57.9	62.4	62.4	62.4	69.1	89.1	173.8	336.5	421.2	403.4
82.5°	37.9	35.7	46.8	44.6	44.6	44.6	60.2	86.9	113.7	98.1	73.5
85°	22.3	22.3	26.7	26.7	26.7	24.5	35.7	51.3	66.9	44.6	33.4
87.5°	4.5	4.5	6.7	6.7	6.7	6.7	11.1	15.6	26.7	15.6	11.1
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)