

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: P524204

Luminaire Tested: **IFLD-M-SA4B-940-U-66**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P524204  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4B-940-U-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens  
Light Source: (64) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

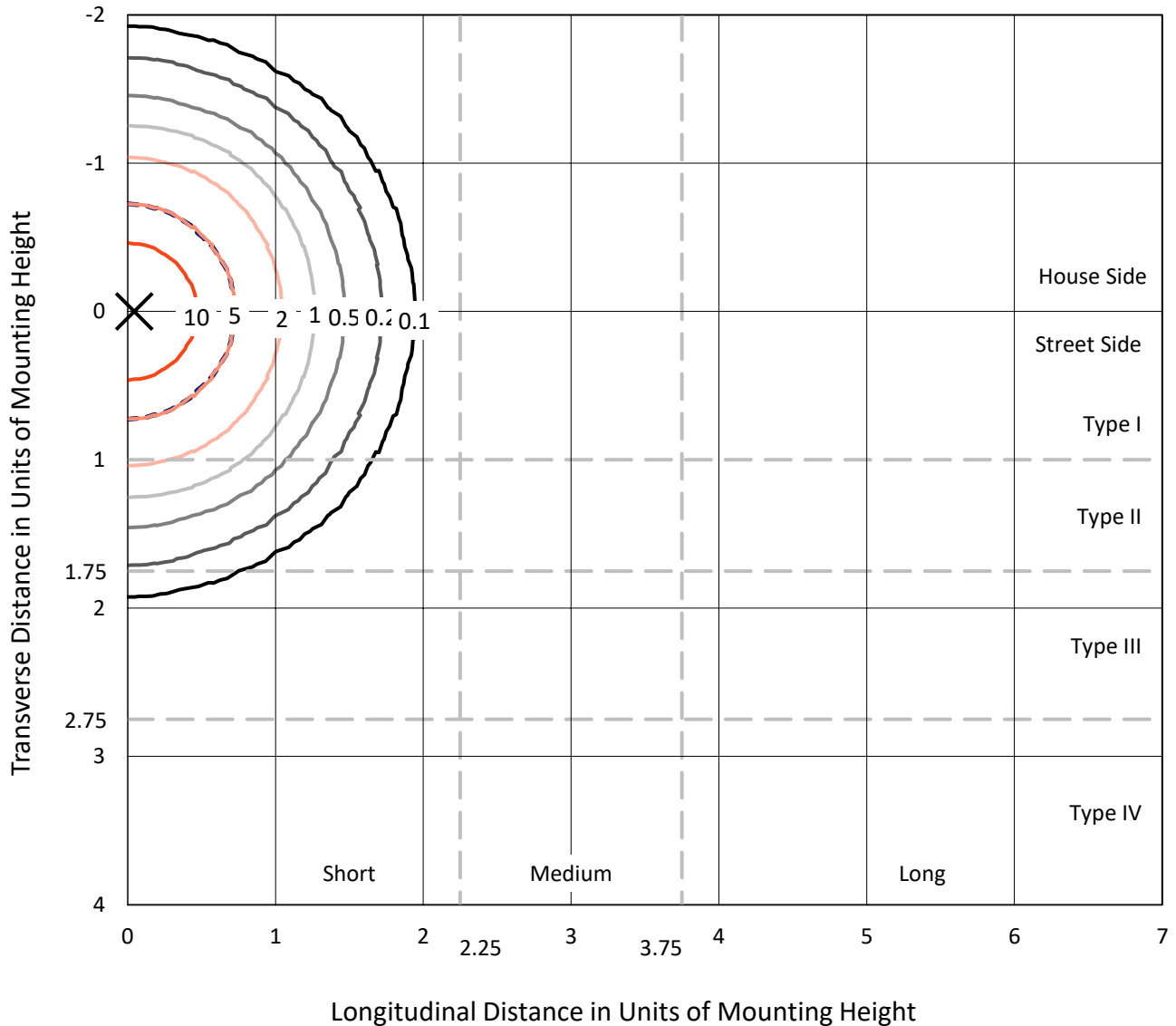
Lumens per Lamp: N/A  
Luminaire Lumens: 17123.8 lumens  
Efficiency: N/A  
Efficacy: 103.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

Input Watts (W): 166.1  
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

REPORT NUMBER: P524204  
 CATALOG NUMBER: IFLD-M-SA4B-940-U-66

### Iso-Footcandle Lines of Horizontal Illumination

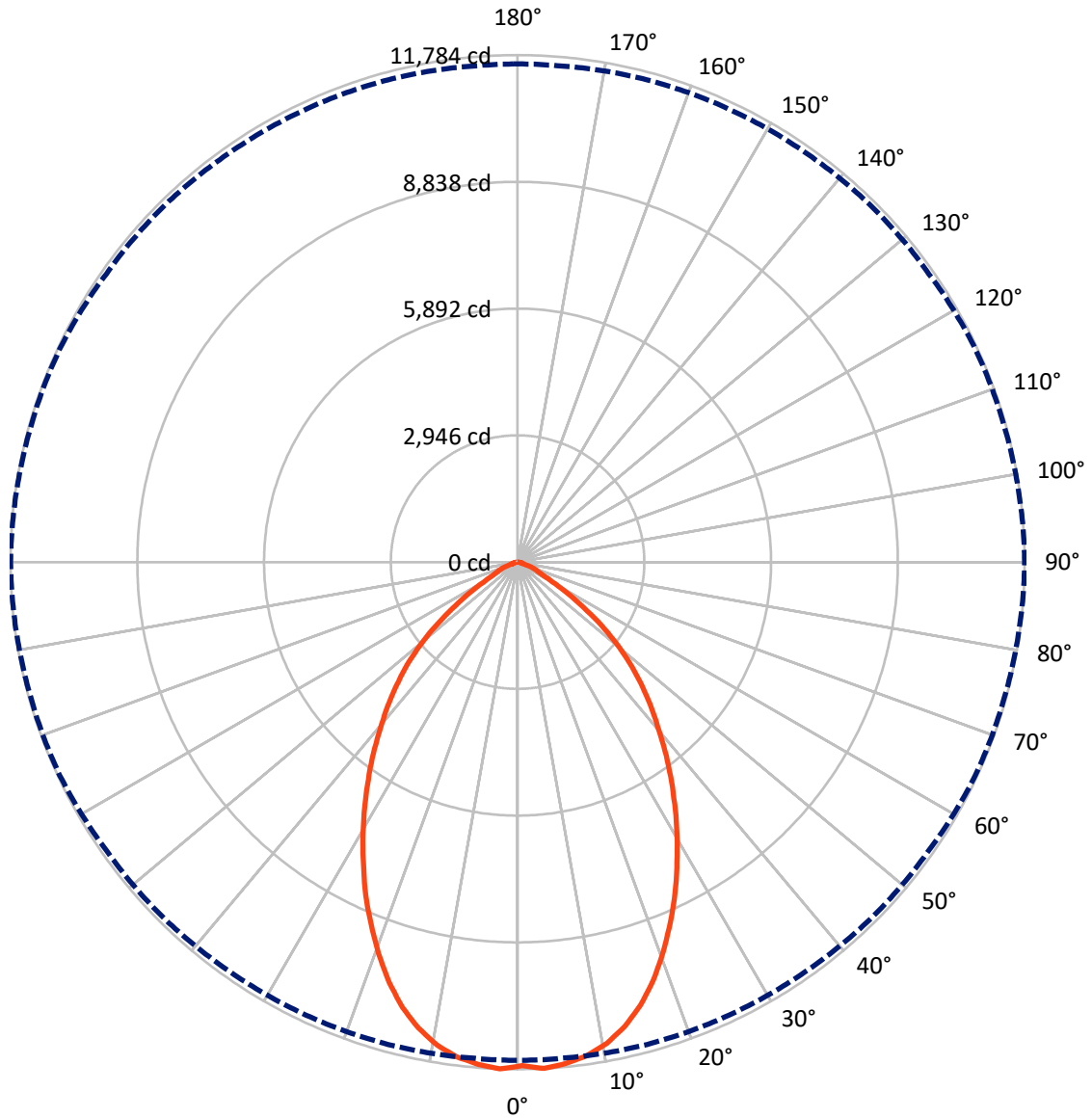
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.7 fc  
 Type V - Short - N/A

REPORT NUMBER: P524204  
CATALOG NUMBER: IFLD-M-SA4B-940-U-66

### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 2.5-Deg Vertical

REPORT NUMBER: P524204  
 CATALOG NUMBER: IFLD-M-SA4B-940-U-66

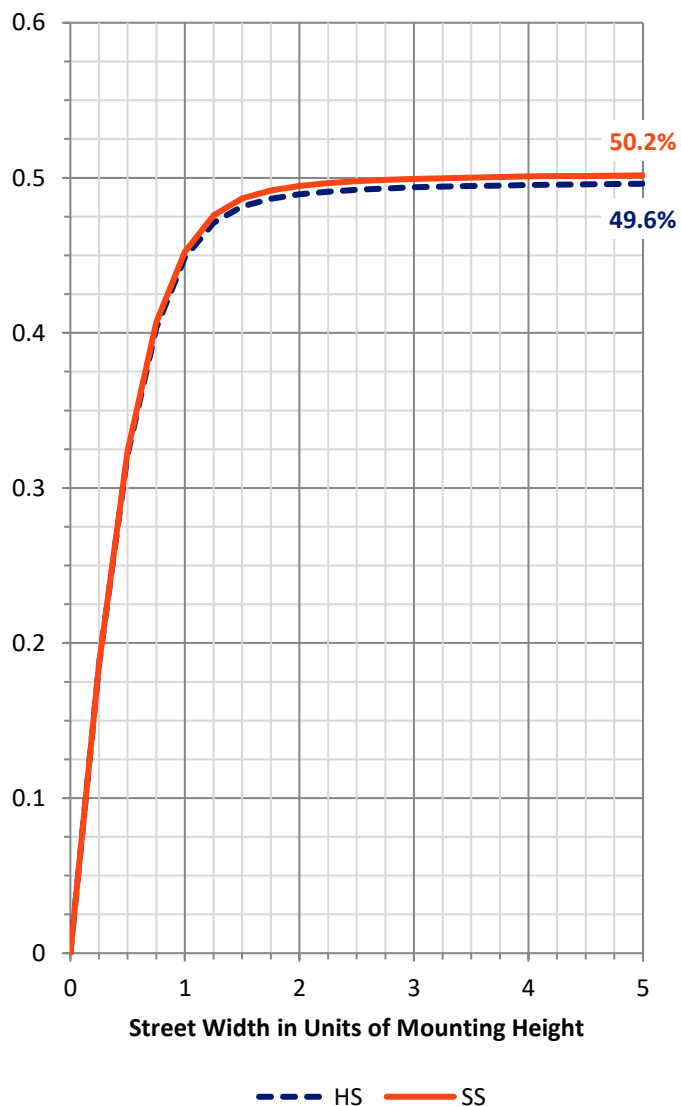
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8561.9	0.0	8561.9
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8561.9	0.0	8561.9
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	17123.8	0.0	17123.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1098.8	6.4
10°-20°	2952.5	17.2
20°-30°	3819.9	22.3
30°-40°	3767.3	22.0
40°-50°	3047.9	17.8
50°-60°	1659.5	9.7
60°-70°	525.8	3.1
70°-80°	203.4	1.2
80°-90°	48.6	0.3
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°	17123.8	100.0
0°-180°	17123.8	100.0

**Coefficient of Utilization**



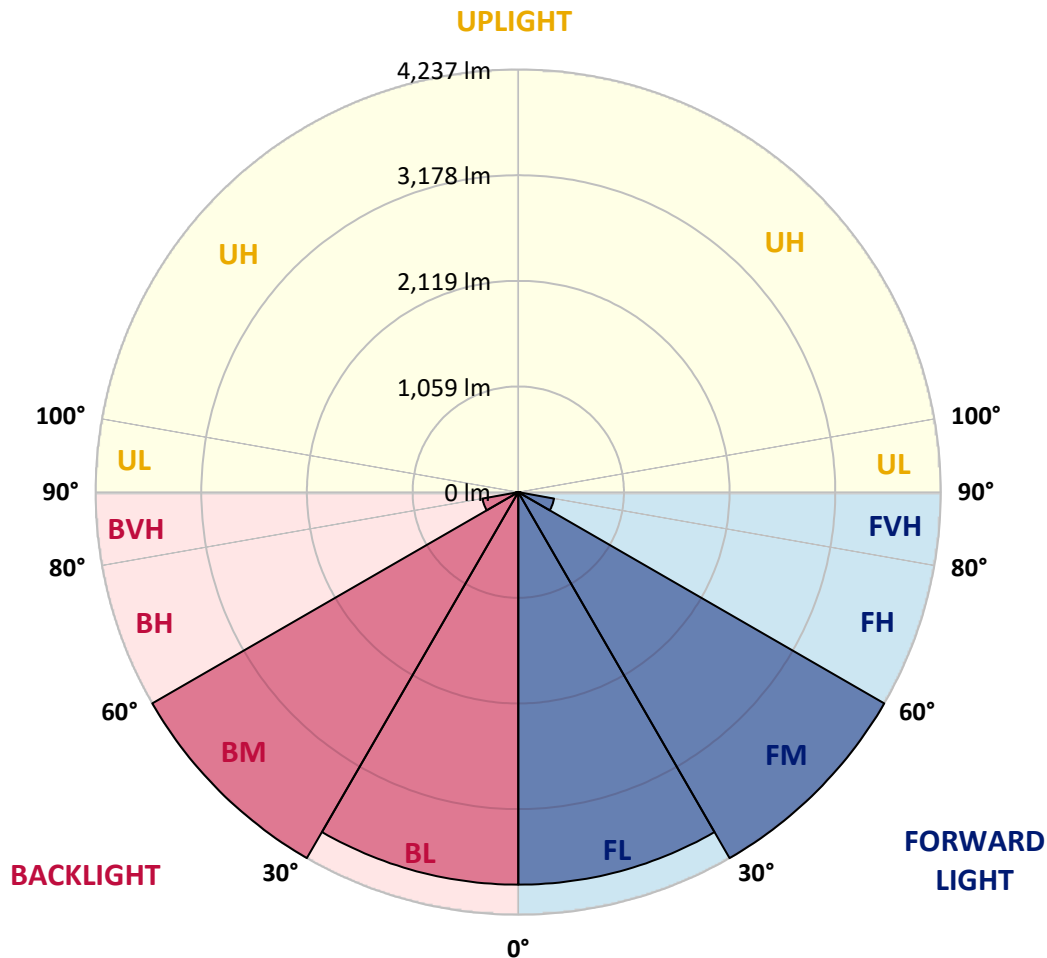
REPORT NUMBER: P524204  
 CATALOG NUMBER: IFLD-M-SA4B-940-U-66

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3935.6	23.0			
FM (30°-60°)	4237.4	24.7			
FH (60°-80°)	364.6	2.1			G0/660
FVH (80°-90°)	24.3	0.1			G1/100
BL (0°-30°)	3935.6	23.0	B4/5000		
BM (30°-60°)	4237.4	24.7	B3/5000		
BH (60°-80°)	364.6	2.1	B1/500		G0/660
BVH (80°-90°)	24.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





REPORT NUMBER: P524204  
 CATALOG NUMBER: IFLD-M-SA4B-940-U-66

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	11704.6	11704.6	11704.6	11704.6	11704.6	11704.6	11704.6	11704.6	11704.6	11704.6	11704.6
2.5°	11578.4	11575.9	11605.6	11618.0	11632.8	11662.5	11672.4	11736.7	11744.1	11768.9	11783.7
5°	11558.6	11548.7	11578.4	11583.3	11600.7	11605.6	11620.4	11665.0	11660.0	11697.1	11704.6
7.5°	11452.2	11439.8	11464.6	11469.5	11494.3	11486.9	11511.6	11543.8	11543.8	11571.0	11583.3
10°	11214.7	11212.2	11237.0	11239.4	11274.1	11266.7	11306.2	11313.7	11333.5	11353.3	11375.5
12.5°	10930.2	10898.0	10930.2	10917.8	10964.8	10937.6	10992.0	11009.4	11019.3	11053.9	11071.2
15°	10564.0	10524.5	10546.7	10534.4	10564.0	10529.4	10586.3	10620.9	10633.3	10668.0	10685.3
17.5°	10074.2	10042.0	10047.0	10029.7	10049.4	10022.2	10076.7	10131.1	10148.4	10185.5	10210.3
20°	9458.2	9458.2	9460.6	9445.8	9463.1	9435.9	9470.5	9554.6	9572.0	9621.4	9663.5
22.5°	8857.0	8857.0	8864.4	8844.6	8849.6	8837.2	8874.3	8955.9	8983.1	9035.1	9087.1
25°	8280.5	8270.6	8275.6	8258.3	8238.5	8243.4	8287.9	8339.9	8399.3	8466.1	8505.7
27.5°	7731.3	7743.7	7714.0	7701.6	7686.8	7659.5	7711.5	7775.8	7817.9	7872.3	7892.1
30°	7145.0	7169.7	7147.4	7137.5	7100.4	7065.8	7120.2	7184.5	7226.6	7278.6	7300.8
32.5°	6622.9	6615.5	6595.7	6573.5	6536.3	6509.1	6531.4	6605.6	6637.8	6692.2	6699.6
35°	6063.8	6058.9	6046.5	6002.0	5989.6	5957.4	5977.2	6041.5	6066.3	6098.4	6123.2
37.5°	5517.1	5499.7	5494.8	5477.5	5455.2	5447.8	5447.8	5482.4	5507.2	5539.3	5564.1
40°	4975.2	4980.2	4965.3	4950.5	4943.1	4933.2	4935.7	4955.5	4975.2	4990.1	5004.9
42.5°	4485.4	4458.2	4448.3	4433.4	4440.9	4453.2	4426.0	4455.7	4480.4	4480.4	4512.6
45°	3923.8	3936.2	3941.1	3965.8	3965.8	3953.5	3943.6	3958.4	3983.2	3980.7	4012.9
47.5°	3433.9	3419.1	3431.5	3468.6	3500.7	3505.7	3476.0	3483.4	3490.8	3478.5	3508.2
50°	2897.1	2902.0	2899.5	2956.4	3020.8	2998.5	2976.2	2983.7	2981.2	2981.2	2986.1
52.5°	2313.2	2325.6	2310.7	2392.4	2461.6	2444.3	2429.5	2429.5	2441.9	2439.4	2436.9
55°	1781.3	1776.3	1744.2	1783.8	1845.6	1848.1	1825.8	1835.7	1848.1	1860.5	1858.0
57.5°	1326.1	1311.2	1266.7	1269.2	1338.4	1355.8	1336.0	1333.5	1348.3	1353.3	1380.5
60°	893.1	890.6	851.1	848.6	875.8	922.8	900.5	900.5	905.5	912.9	920.3
62.5°	611.1	616.0	601.2	598.7	603.7	643.2	640.8	638.3	635.8	645.7	643.2
65°	480.0	482.4	477.5	477.5	480.0	497.3	514.6	517.1	519.5	522.0	519.5
67.5°	385.9	388.4	383.5	388.4	388.4	390.9	415.6	425.5	428.0	428.0	425.5
70°	296.9	306.8	311.7	311.7	311.7	311.7	329.0	341.4	338.9	324.1	309.3
72.5°	148.4	180.6	249.9	252.3	249.9	247.4	257.3	269.7	267.2	188.0	141.0
75°	99.0	106.4	195.4	205.3	202.9	193.0	202.9	217.7	212.8	121.2	116.3
77.5°	56.9	61.9	131.1	150.9	163.3	141.0	160.8	175.7	168.2	99.0	96.5
80°	44.5	42.1	94.0	116.3	111.3	89.1	131.1	141.0	128.6	74.2	66.8
82.5°	27.2	27.2	61.9	89.1	81.6	52.0	91.5	108.9	96.5	54.4	49.5
85°	14.8	17.3	29.7	44.5	47.0	34.6	49.5	59.4	59.4	34.6	34.6
87.5°	7.4	7.4	9.9	9.9	12.4	14.8	14.8	17.3	12.4	9.9	9.9
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)