

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: P524179

Luminaire Tested: **IFLD-S-SA2B-940-U-66**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P524179  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2B-940-U-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens  
Light Source: (32) 4000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

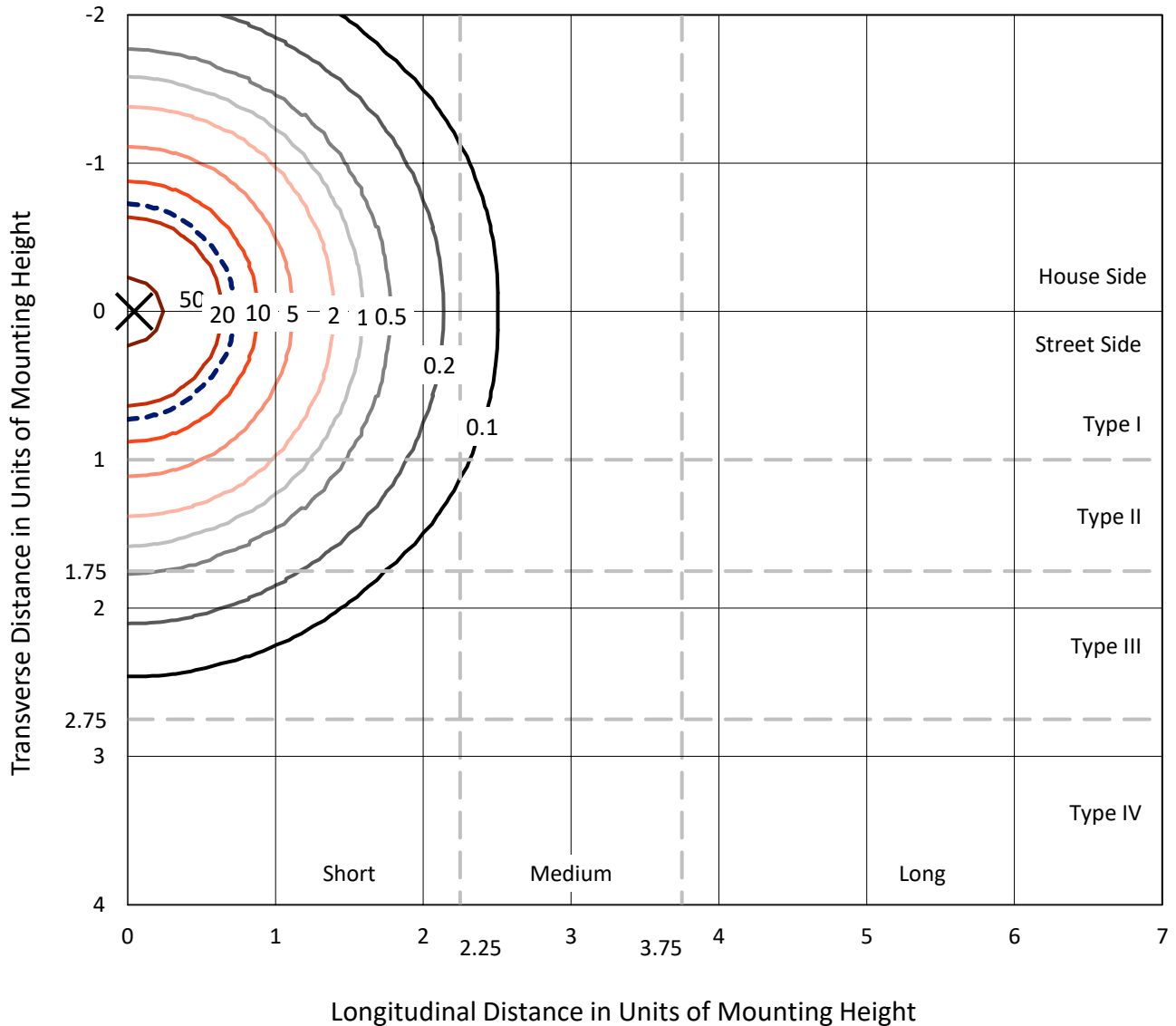
Lumens per Lamp: N/A  
Luminaire Lumens: 8560.4 lumens  
Efficiency: N/A  
Efficacy: 103.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

Input Watts (W): 82.4  
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: P524179  
 CATALOG NUMBER: IFLD-S-SA2B-940-U-66

### Iso-Footcandle Lines of Horizontal Illumination

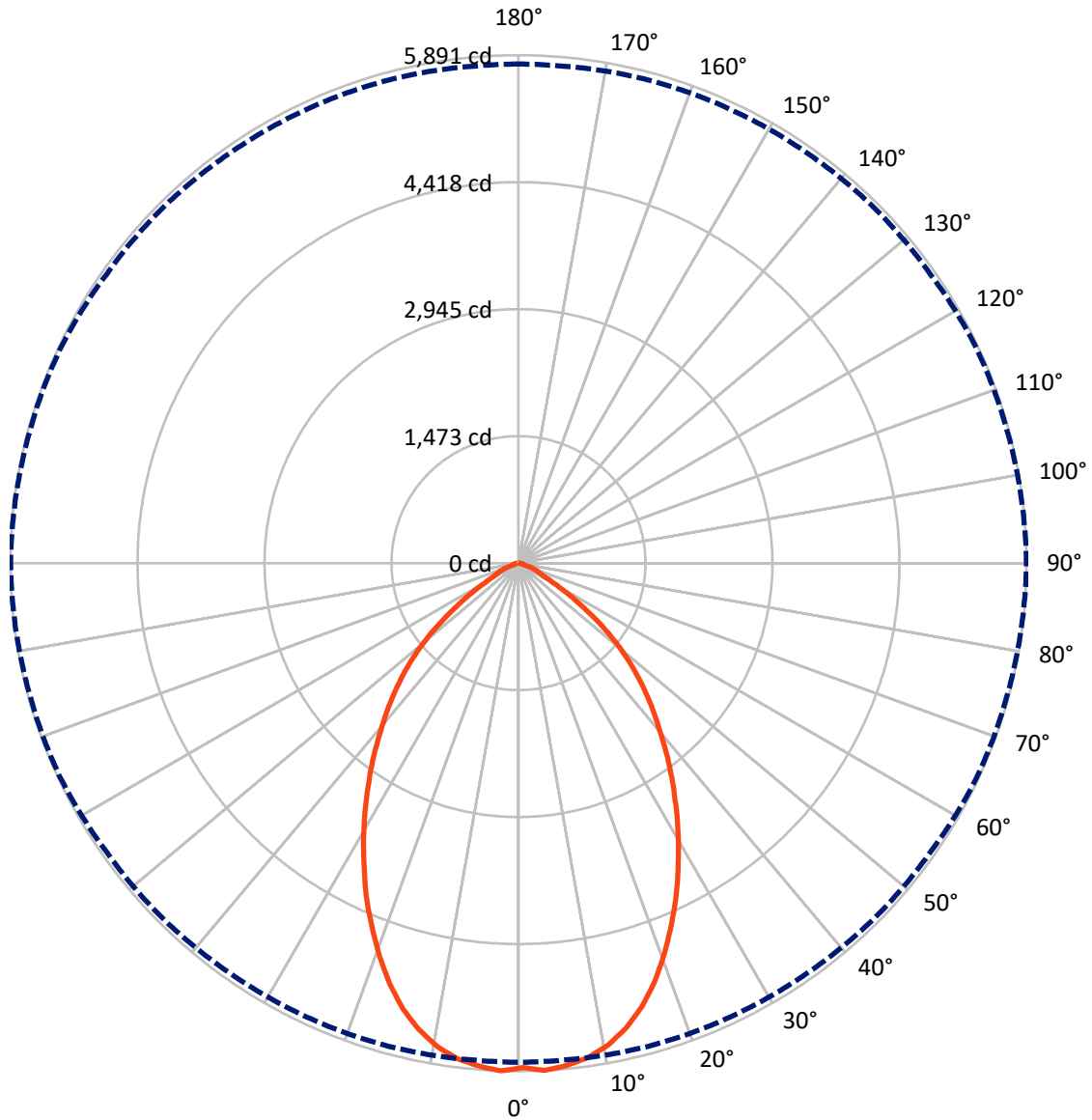
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 58.5 fc  
 Type V - Short - N/A

REPORT NUMBER: P524179  
CATALOG NUMBER: IFLD-S-SA2B-940-U-66

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P524179  
 CATALOG NUMBER: IFLD-S-SA2B-940-U-66

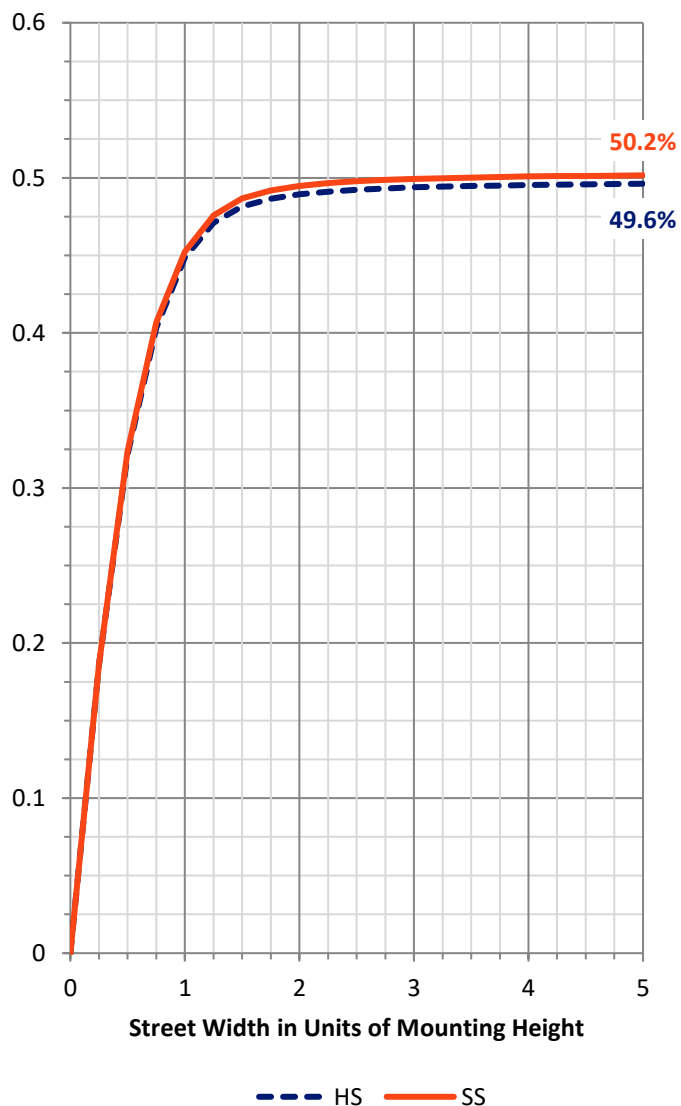
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4280.2	0.0	4280.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4280.2	0.0	4280.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8560.4	0.0	8560.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	549.3	6.4
10°-20°	1476.0	17.2
20°-30°	1909.6	22.3
30°-40°	1883.3	22.0
40°-50°	1523.7	17.8
50°-60°	829.6	9.7
60°-70°	262.9	3.1
70°-80°	101.7	1.2
80°-90°	24.3	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°	8560.4	100.0
0°-180°	8560.4	100.0

**Coefficient of Utilization**



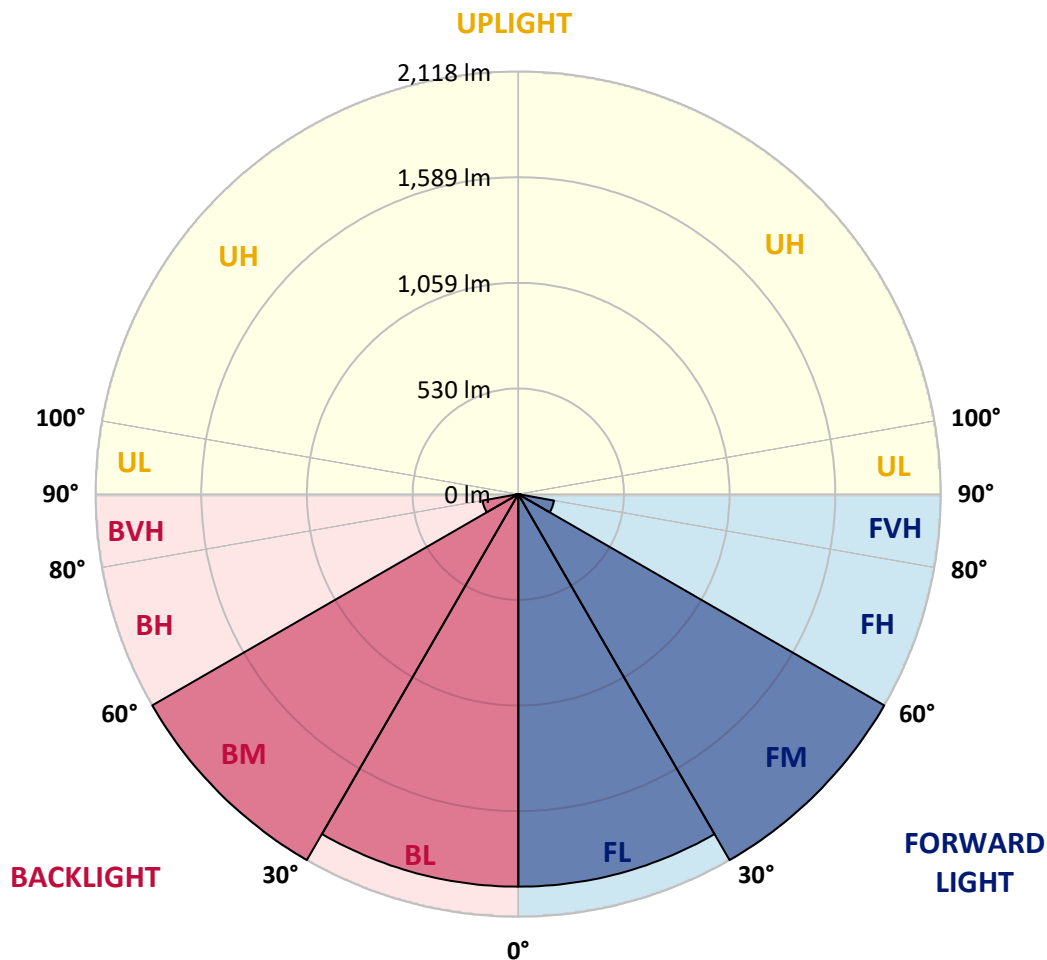
REPORT NUMBER: P524179  
 CATALOG NUMBER: IFLD-S-SA2B-940-U-66

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1967.4	23.0			
FM (30°-60°)	2118.3	24.7			
FH (60°-80°)	182.3	2.1			G0/660
FVH (80°-90°)	12.2	0.1			G1/100
BL (0°-30°)	1967.4	23.0	B3/2500		
BM (30°-60°)	2118.3	24.7	B2/2500		
BH (60°-80°)	182.3	2.1	B1/500		G0/660
BVH (80°-90°)	12.2	0.1			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





REPORT NUMBER: P524179  
 CATALOG NUMBER: IFLD-S-SA2B-940-U-66

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5851.3	5851.3	5851.3	5851.3	5851.3	5851.3	5851.3	5851.3	5851.3	5851.3	5851.3
2.5°	5788.2	5787.0	5801.8	5808.0	5815.4	5830.3	5835.2	5867.4	5871.1	5883.4	5890.9
5°	5778.3	5773.4	5788.2	5790.7	5799.3	5801.8	5809.2	5831.5	5829.0	5847.6	5851.3
7.5°	5725.1	5718.9	5731.3	5733.8	5746.2	5742.4	5754.8	5770.9	5770.9	5784.5	5790.7
10°	5606.4	5605.2	5617.5	5618.8	5636.1	5632.4	5652.2	5655.9	5665.8	5675.7	5686.8
12.5°	5464.2	5448.1	5464.2	5458.0	5481.5	5467.9	5495.1	5503.7	5508.7	5526.0	5534.7
15°	5281.1	5261.3	5272.5	5266.3	5281.1	5263.8	5292.2	5309.6	5315.7	5333.1	5341.7
17.5°	5036.2	5020.2	5022.6	5014.0	5023.9	5010.3	5037.5	5064.7	5073.3	5091.9	5104.3
20°	4728.3	4728.3	4729.5	4722.1	4730.7	4717.1	4734.5	4776.5	4785.2	4809.9	4830.9
22.5°	4427.7	4427.7	4431.4	4421.5	4424.0	4417.8	4436.4	4477.2	4490.8	4516.8	4542.8
25°	4139.6	4134.6	4137.1	4128.4	4118.5	4121.0	4143.3	4169.2	4198.9	4232.3	4252.1
27.5°	3865.0	3871.2	3856.3	3850.1	3842.7	3829.1	3855.1	3887.2	3908.3	3935.5	3945.4
30°	3571.9	3584.2	3573.1	3568.2	3549.6	3532.3	3559.5	3591.7	3612.7	3638.7	3649.8
32.5°	3310.9	3307.2	3297.3	3286.2	3267.6	3254.0	3265.1	3302.2	3318.3	3345.5	3349.2
35°	3031.4	3028.9	3022.7	3000.5	2994.3	2978.2	2988.1	3020.3	3032.6	3048.7	3061.1
37.5°	2758.1	2749.4	2746.9	2738.3	2727.1	2723.4	2723.4	2740.7	2753.1	2769.2	2781.6
40°	2487.2	2489.7	2482.2	2474.8	2471.1	2466.2	2467.4	2477.3	2487.2	2494.6	2502.0
42.5°	2242.3	2228.7	2223.8	2216.3	2220.0	2226.2	2212.6	2227.5	2239.8	2239.8	2255.9
45°	1961.6	1967.7	1970.2	1982.6	1982.6	1976.4	1971.5	1978.9	1991.2	1990.0	2006.1
47.5°	1716.7	1709.3	1715.4	1734.0	1750.1	1752.5	1737.7	1741.4	1745.1	1738.9	1753.8
50°	1448.3	1450.8	1449.5	1478.0	1510.1	1499.0	1487.9	1491.6	1490.3	1490.3	1492.8
52.5°	1156.4	1162.6	1155.2	1196.0	1230.6	1222.0	1214.5	1214.5	1220.7	1219.5	1218.2
55°	890.5	888.0	871.9	891.7	922.6	923.9	912.8	917.7	923.9	930.1	928.8
57.5°	662.9	655.5	633.2	634.5	669.1	677.8	667.9	666.6	674.1	676.5	690.1
60°	446.5	445.2	425.5	424.2	437.8	461.3	450.2	450.2	452.7	456.4	460.1
62.5°	305.5	308.0	300.5	299.3	301.8	321.6	320.3	319.1	317.9	322.8	321.6
65°	239.9	241.2	238.7	238.7	239.9	248.6	257.3	258.5	259.7	261.0	259.7
67.5°	192.9	194.2	191.7	194.2	194.2	195.4	207.8	212.7	214.0	214.0	212.7
70°	148.4	153.4	155.8	155.8	155.8	155.8	164.5	170.7	169.4	162.0	154.6
72.5°	74.2	90.3	124.9	126.2	124.9	123.7	128.6	134.8	133.6	94.0	70.5
75°	49.5	53.2	97.7	102.7	101.4	96.5	101.4	108.8	106.4	60.6	58.1
77.5°	28.4	30.9	65.6	75.4	81.6	70.5	80.4	87.8	84.1	49.5	48.2
80°	22.3	21.0	47.0	58.1	55.7	44.5	65.6	70.5	64.3	37.1	33.4
82.5°	13.6	13.6	30.9	44.5	40.8	26.0	45.8	54.4	48.2	27.2	24.7
85°	7.4	8.7	14.8	22.3	23.5	17.3	24.7	29.7	29.7	17.3	17.3
87.5°	3.7	3.7	4.9	4.9	6.2	7.4	7.4	8.7	6.2	4.9	4.9
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)