

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: P524182

Luminaire Tested: **IFLD-S-SA2E-940-U-66**

Issue Date: 05/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P524182  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2E-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**

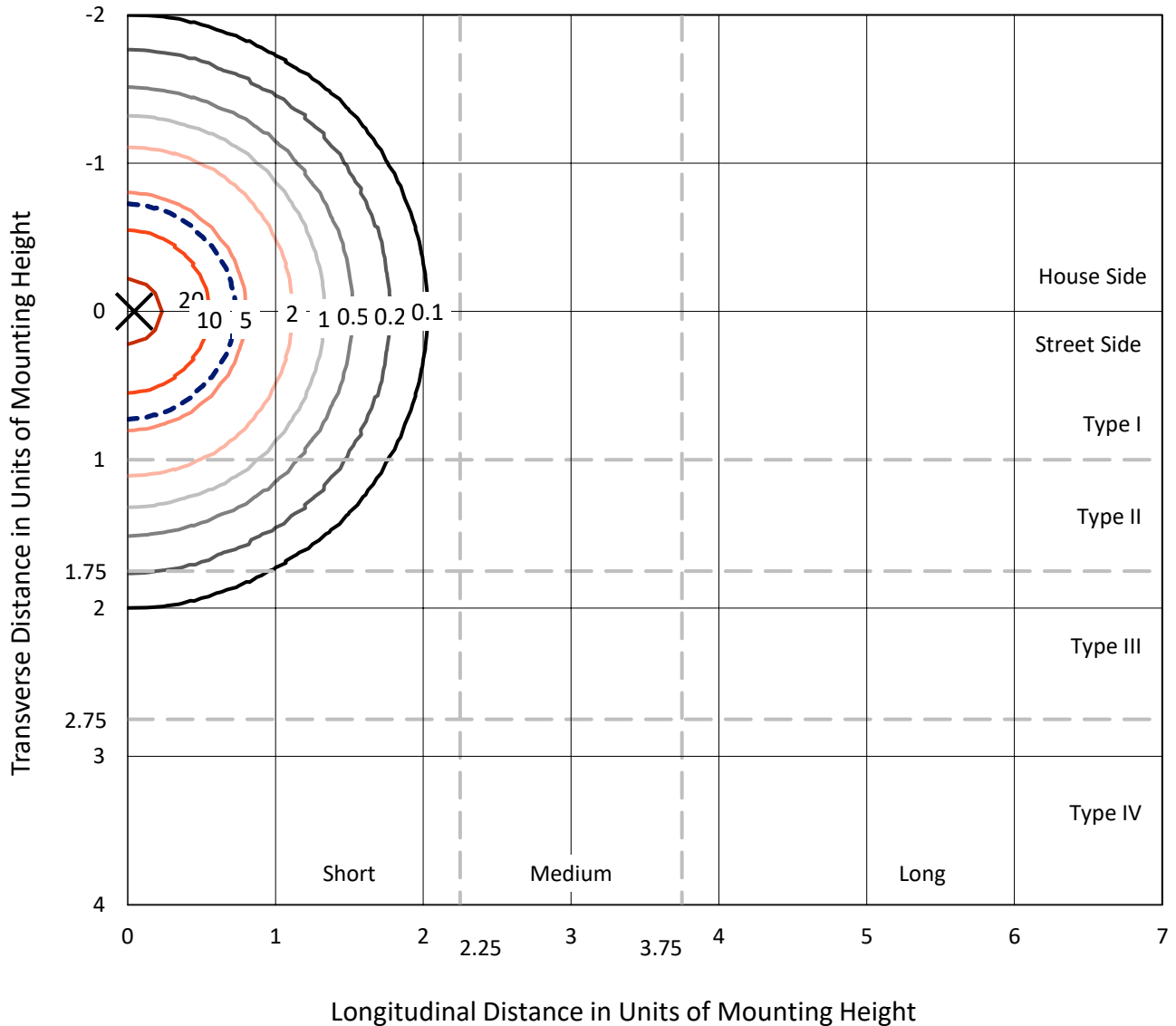
Lumens per Lamp: N/A  
Luminaire Lumens: 13569.9 lumens  
Efficiency: N/A  
Efficacy: 86.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

Input Watts (W): 156.2  
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: P524182  
 CATALOG NUMBER: IFLD-S-SA2E-940-U-66

### Iso-Footcandle Lines of Horizontal Illumination

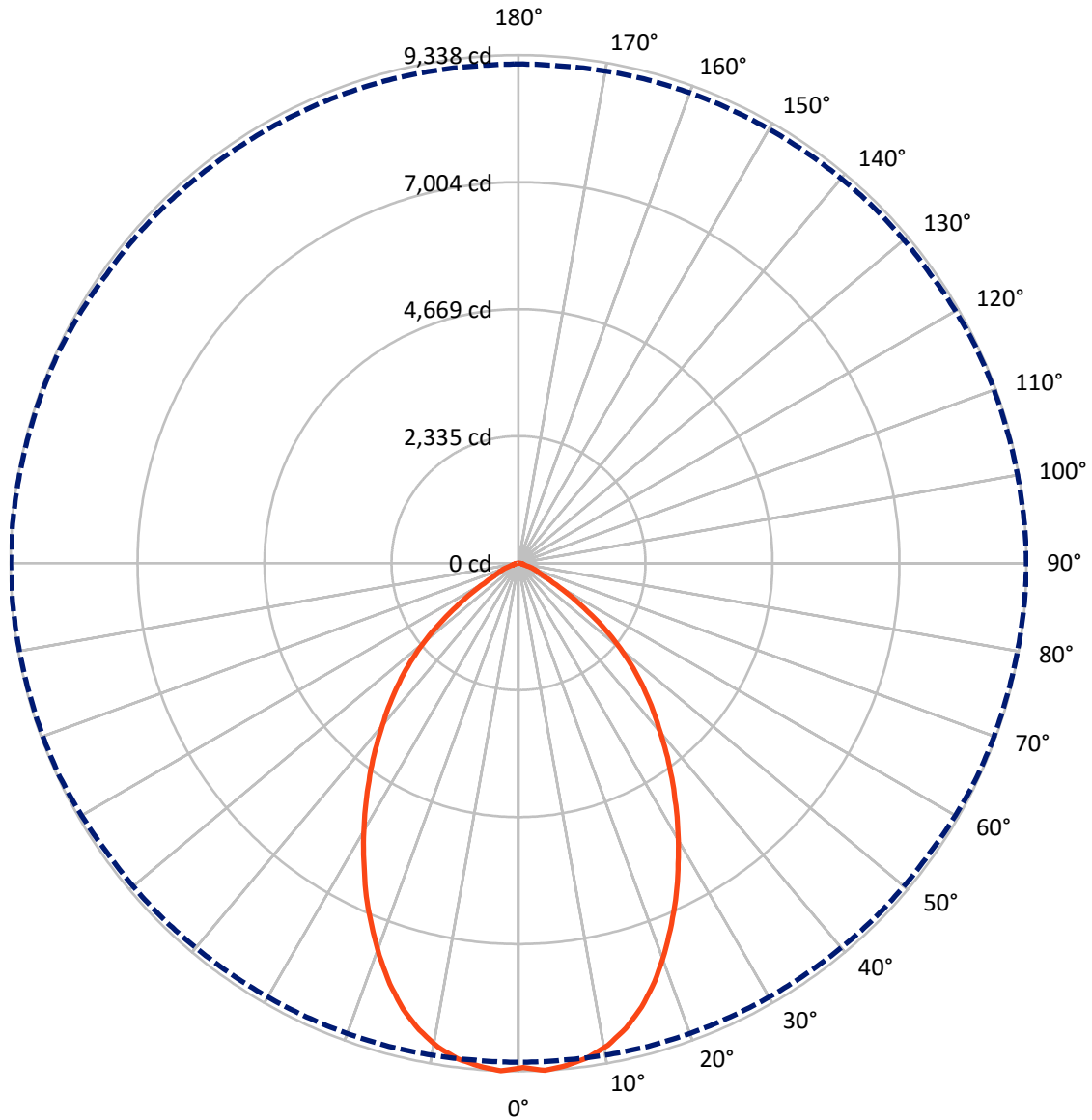
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 23.2 fc  
 Type V - Short - N/A

REPORT NUMBER: P524182  
CATALOG NUMBER: IFLD-S-SA2E-940-U-66

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P524182

CATALOG NUMBER: IFLD-S-SA2E-940-U-66

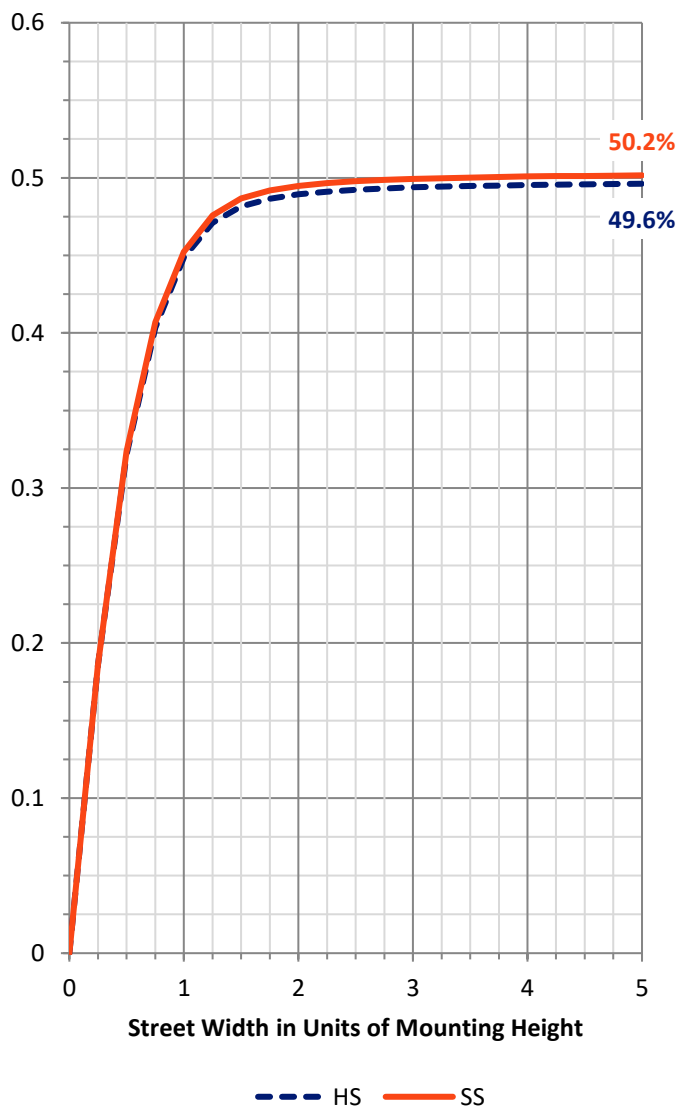
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6785.0	0.0	6785.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6785.0	0.0	6785.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13569.9	0.0	13569.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	870.7	6.4
10°-20°	2339.7	17.2
20°-30°	3027.1	22.3
30°-40°	2985.5	22.0
40°-50°	2415.4	17.8
50°-60°	1315.1	9.7
60°-70°	416.7	3.1
70°-80°	161.2	1.2
80°-90°	38.5	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°	13569.9	100.0
0°-180°	13569.9	100.0

**Coefficient of Utilization**



REPORT NUMBER: P524182

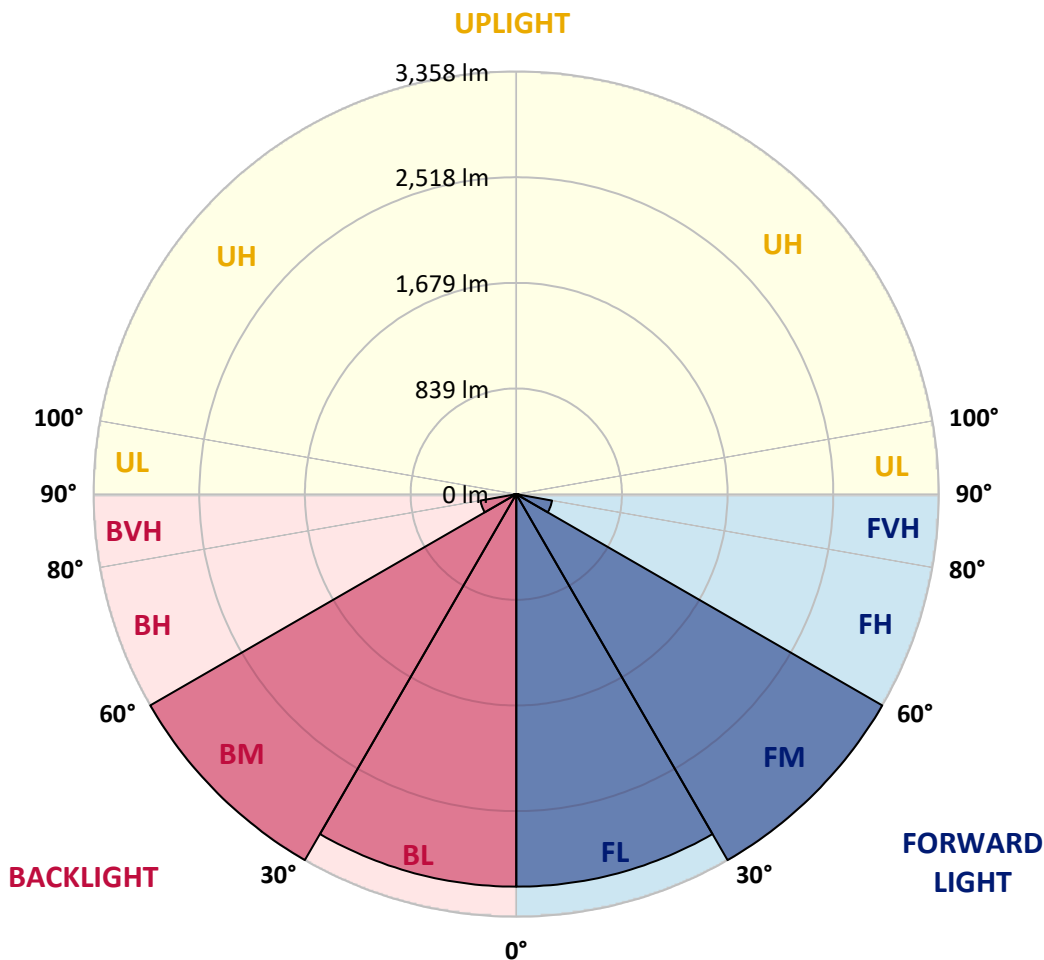
CATALOG NUMBER: IFLD-S-SA2E-940-U-66

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3118.8	23.0			
FM (30°-60°)	3358.0	24.7			
FH (60°-80°)	289.0	2.1			G0/660
FVH (80°-90°)	19.3	0.1			G1/100
BL (0°-30°)	3118.8	23.0	B4/5000		
BM (30°-60°)	3358.0	24.7	B3/5000		
BH (60°-80°)	289.0	2.1	B1/500		G0/660
BVH (80°-90°)	19.3	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: P524182  
 CATALOG NUMBER: IFLD-S-SA2E-940-U-66

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	9275.4	9275.4	9275.4	9275.4	9275.4	9275.4	9275.4	9275.4	9275.4	9275.4	9275.4
2.5°	9175.4	9173.5	9197.0	9206.8	9218.6	9242.1	9249.9	9300.9	9306.8	9326.4	9338.1
5°	9159.7	9151.9	9175.4	9179.3	9193.1	9197.0	9208.8	9244.0	9240.1	9269.5	9275.4
7.5°	9075.4	9065.6	9085.2	9089.2	9108.8	9102.9	9122.5	9148.0	9148.0	9169.5	9179.3
10°	8887.2	8885.3	8904.9	8906.8	8934.3	8928.4	8959.8	8965.6	8981.3	8997.0	9014.7
12.5°	8661.8	8636.3	8661.8	8652.0	8689.2	8667.6	8710.8	8724.5	8732.3	8759.8	8773.5
15°	8371.6	8340.2	8357.9	8348.1	8371.6	8344.1	8389.2	8416.7	8426.5	8453.9	8467.7
17.5°	7983.4	7957.9	7961.8	7948.1	7963.8	7942.2	7985.4	8028.5	8042.2	8071.6	8091.2
20°	7495.2	7495.2	7497.2	7485.4	7499.1	7477.6	7505.0	7571.7	7585.4	7624.6	7657.9
22.5°	7018.8	7018.8	7024.7	7009.0	7012.9	7003.1	7032.5	7097.2	7118.8	7160.0	7201.1
25°	6562.0	6554.2	6558.1	6544.3	6528.7	6532.6	6567.9	6609.0	6656.1	6709.0	6740.4
27.5°	6126.7	6136.6	6113.0	6103.2	6091.5	6069.9	6111.1	6162.0	6195.4	6238.5	6254.2
30°	5662.1	5681.7	5664.1	5656.2	5626.8	5599.4	5642.5	5693.5	5726.8	5768.0	5785.6
32.5°	5248.4	5242.5	5226.9	5209.2	5179.8	5158.2	5175.9	5234.7	5260.2	5303.3	5309.2
35°	4805.3	4801.4	4791.6	4756.3	4746.5	4721.0	4736.7	4787.7	4807.3	4832.8	4852.4
37.5°	4372.0	4358.3	4354.4	4340.7	4323.0	4317.2	4317.2	4344.6	4364.2	4389.7	4409.3
40°	3942.7	3946.6	3934.8	3923.1	3917.2	3909.4	3911.3	3927.0	3942.7	3954.4	3966.2
42.5°	3554.5	3532.9	3525.1	3513.3	3519.2	3529.0	3507.4	3531.0	3550.6	3550.6	3576.1
45°	3109.4	3119.3	3123.2	3142.8	3142.8	3133.0	3125.1	3136.9	3156.5	3154.5	3180.0
47.5°	2721.3	2709.5	2719.3	2748.7	2774.2	2778.1	2754.6	2760.5	2766.4	2756.5	2780.1
50°	2295.8	2299.7	2297.8	2342.9	2393.8	2376.2	2358.6	2364.4	2362.5	2362.5	2366.4
52.5°	1833.1	1842.9	1831.2	1895.9	1950.8	1937.0	1925.3	1925.3	1935.1	1933.1	1931.2
55°	1411.6	1407.7	1382.2	1413.6	1462.6	1464.5	1446.9	1454.7	1464.5	1474.3	1472.4
57.5°	1050.9	1039.1	1003.8	1005.8	1060.7	1074.4	1058.7	1056.7	1068.5	1072.4	1094.0
60°	707.8	705.8	674.4	672.5	694.0	731.3	713.6	713.6	717.6	723.4	729.3
62.5°	484.3	488.2	476.4	474.5	478.4	509.7	507.8	505.8	503.9	511.7	509.7
65°	380.3	382.3	378.4	378.4	380.3	394.1	407.8	409.8	411.7	413.7	411.7
67.5°	305.8	307.8	303.9	307.8	307.8	309.8	329.4	337.2	339.2	339.2	337.2
70°	235.3	243.1	247.0	247.0	247.0	247.0	260.8	270.6	268.6	256.8	245.1
72.5°	117.6	143.1	198.0	200.0	198.0	196.1	203.9	213.7	211.7	149.0	111.8
75°	78.4	84.3	154.9	162.7	160.8	152.9	160.8	172.5	168.6	96.1	92.1
77.5°	45.1	49.0	103.9	119.6	129.4	111.8	127.4	139.2	133.3	78.4	76.5
80°	35.3	33.3	74.5	92.1	88.2	70.6	103.9	111.8	101.9	58.8	52.9
82.5°	21.6	21.6	49.0	70.6	64.7	41.2	72.5	86.3	76.5	43.1	39.2
85°	11.8	13.7	23.5	35.3	37.3	27.4	39.2	47.1	47.1	27.4	27.4
87.5°	5.9	5.9	7.8	7.8	9.8	11.8	11.8	13.7	9.8	7.8	7.8
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)