

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: P565324

Luminaire Tested: **IFLD-L-SA8A-AMB-U-5WQ**

Issue Date: 09/02/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P565324  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/02/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8A-AMB-U-5WQ  
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square  
Luminaire w/ 5WQ distribution lens  
Light Source: (128) AMB CCT, -- CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

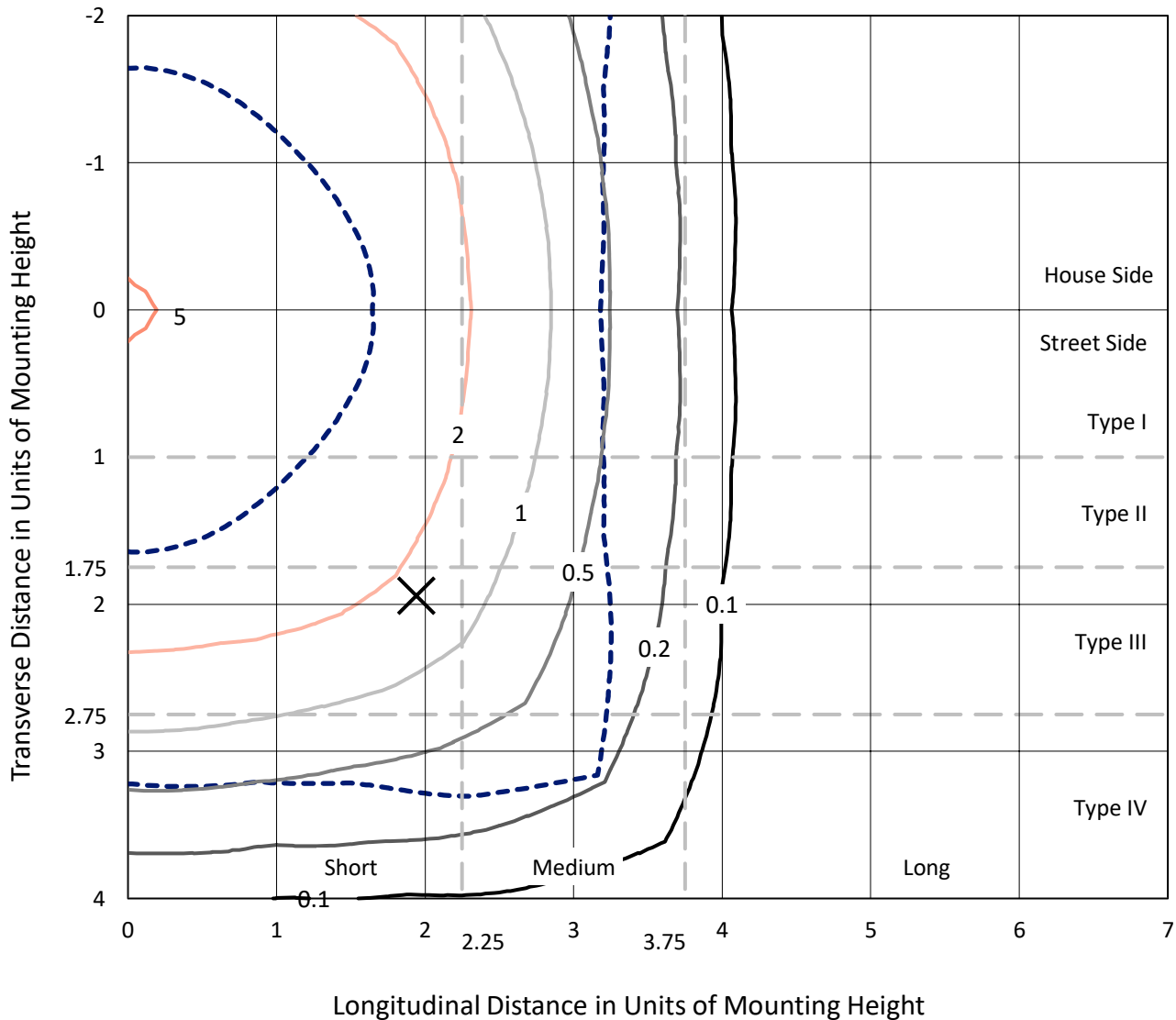
Lumens per Lamp: N/A  
Luminaire Lumens: 8358.3 lumens  
Efficiency: N/A  
Efficacy: 52.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

Input Watts (W): 160  
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

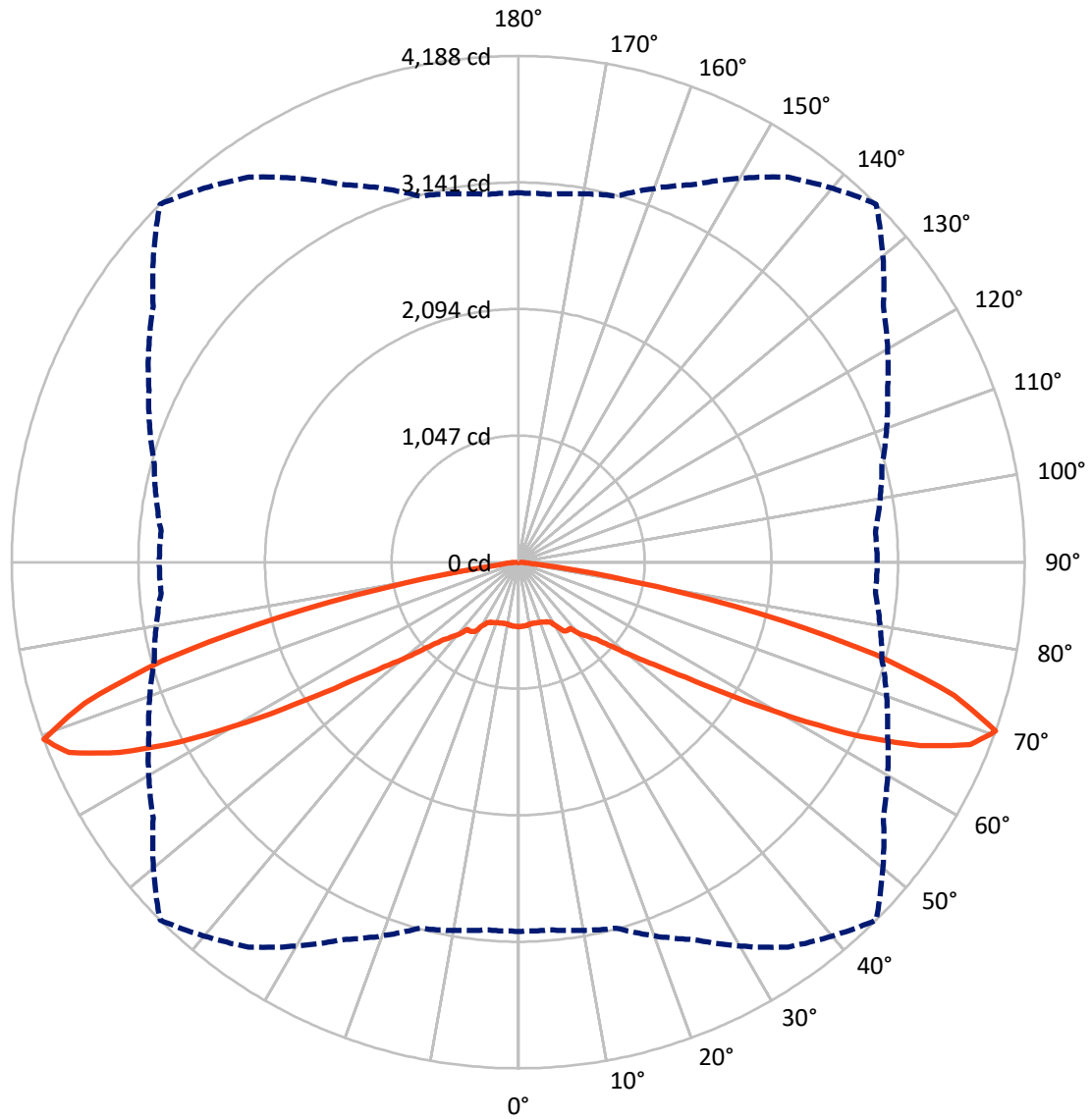
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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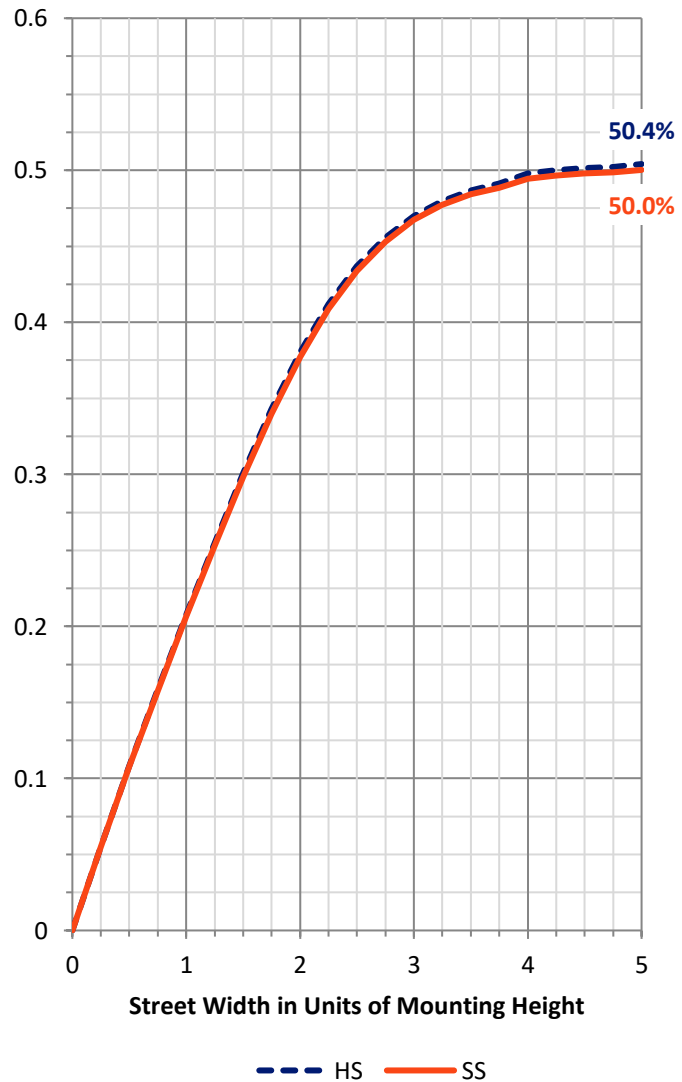
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4179.1	0.0	4179.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4179.1	0.0	4179.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8358.3	0.0	8358.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.5	0.6
10°-20°	149.9	1.8
20°-30°	260.4	3.1
30°-40°	424.8	5.1
40°-50°	738.8	8.8
50°-60°	1541.6	18.4
60°-70°	3162.3	37.8
70°-80°	1937.2	23.2
80°-90°	93.0	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°	8358.3	100.0
0°-180°	8358.3	100.0

**Coefficient of Utilization**

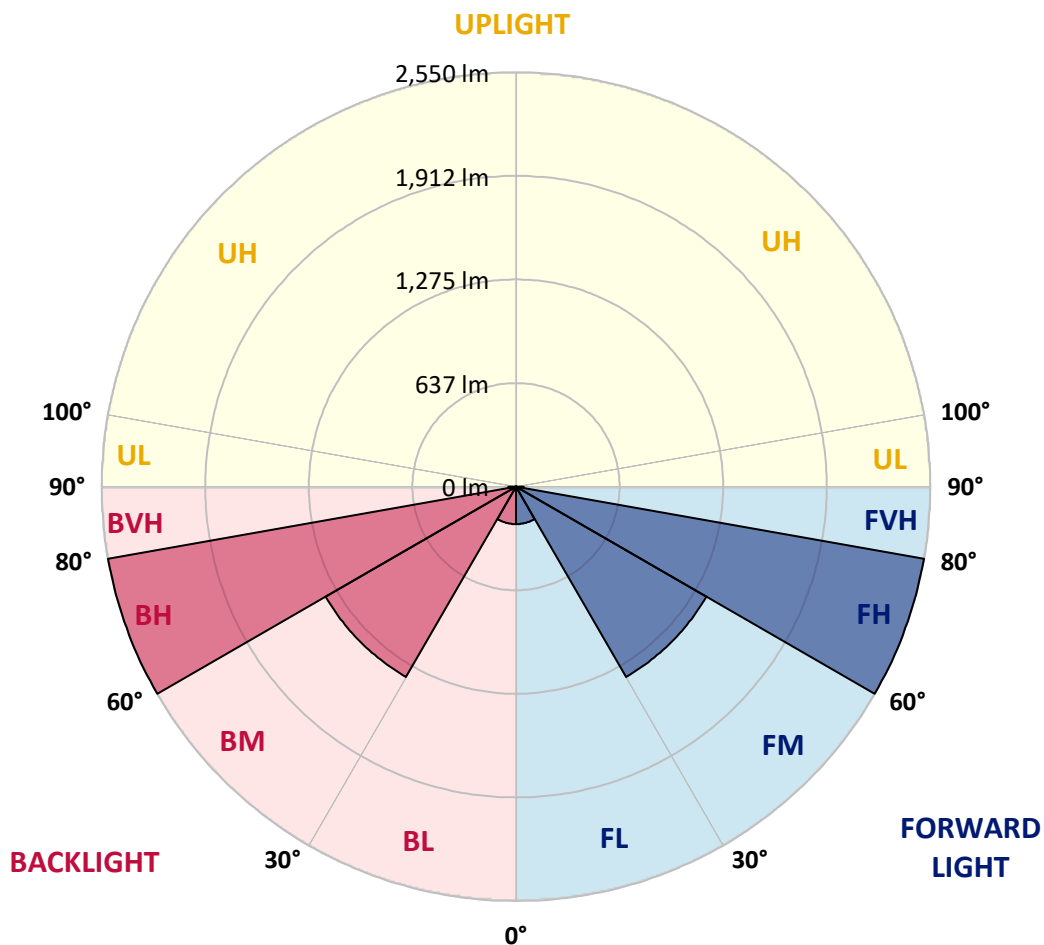


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	230.3	2.8			
FM (30°-60°)	1352.6	16.2			
FH (60°-80°)	2549.7	30.5			G2/5000
FVH (80°-90°)	46.5	0.6			G1/100
BL (0°-30°)	230.3	2.8	B1/500		
BM (30°-60°)	1352.6	16.2	B2/2500		
BH (60°-80°)	2549.7	30.5	B4/5000		G2/5000
BVH (80°-90°)	46.5	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	534.7	534.7	534.7	534.7	534.7	534.7	534.7	534.7	534.7	534.7	534.7
2.5°	530.6	530.6	530.6	530.6	530.6	530.6	534.7	534.7	534.7	538.7	538.7
5°	534.7	530.6	530.6	530.6	530.6	530.6	530.6	530.6	534.7	534.7	534.7
7.5°	530.6	530.6	530.6	526.6	526.6	526.6	526.6	526.6	526.6	526.6	526.6
10°	530.6	526.6	526.6	522.5	522.5	522.5	522.5	522.5	522.5	526.6	526.6
12.5°	534.7	530.6	526.6	522.5	518.5	518.5	518.5	518.5	526.6	526.6	530.6
15°	542.8	538.7	530.6	522.5	518.5	522.5	522.5	522.5	530.6	534.7	534.7
17.5°	546.8	542.8	534.7	526.6	522.5	526.6	526.6	526.6	534.7	542.8	542.8
20°	554.9	546.8	534.7	530.6	530.6	530.6	530.6	530.6	538.7	546.8	546.8
22.5°	559.0	550.9	538.7	534.7	534.7	538.7	538.7	538.7	542.8	550.9	554.9
25°	571.1	563.0	554.9	546.8	550.9	546.8	546.8	546.8	554.9	563.0	563.0
27.5°	595.4	587.3	575.2	567.1	567.1	563.0	567.1	571.1	579.2	587.3	591.4
30°	623.8	615.7	611.6	607.6	607.6	603.5	603.5	607.6	615.7	623.8	623.8
32.5°	623.8	623.8	619.7	627.8	656.2	676.4	656.2	631.9	627.8	627.8	631.9
35°	656.2	652.1	648.1	644.0	668.3	696.7	676.4	644.0	652.1	656.2	660.2
37.5°	729.1	725.0	716.9	696.7	700.7	696.7	696.7	692.6	704.8	712.9	712.9
40°	765.5	757.4	757.4	765.5	785.8	777.7	765.5	765.5	765.5	769.6	773.6
42.5°	842.5	834.4	826.3	822.2	826.3	838.4	818.2	814.1	830.3	846.5	854.6
45°	943.7	935.6	927.5	919.4	907.3	911.3	903.2	919.4	935.6	951.8	960.0
47.5°	1065.3	1057.2	1049.1	1041.0	1036.9	1041.0	1028.8	1045.0	1061.2	1077.4	1085.5
50°	1227.3	1219.2	1207.0	1194.9	1190.8	1211.1	1194.9	1211.1	1227.3	1243.5	1255.6
52.5°	1409.5	1405.5	1405.5	1397.4	1389.3	1405.5	1389.3	1401.4	1425.7	1433.9	1450.1
55°	1632.3	1624.2	1628.3	1648.5	1656.6	1680.9	1664.7	1660.7	1664.7	1644.5	1656.6
57.5°	1907.7	1895.6	1915.9	1972.6	2045.5	2086.0	2045.5	1996.9	1924.0	1887.5	1911.8
60°	2256.1	2235.8	2280.4	2369.5	2519.4	2604.4	2523.4	2385.7	2252.0	2207.5	2243.9
62.5°	2794.8	2766.4	2774.5	2875.8	3062.1	3171.5	3045.9	2843.4	2717.8	2677.3	2725.9
65°	3179.6	3163.4	3236.3	3438.8	3613.0	3657.5	3503.6	3337.5	3187.7	3066.2	3110.7
67.5°	3272.7	3260.6	3341.6	3633.2	3993.7	4034.2	3795.2	3536.0	3313.2	3203.9	3232.2
70°	3054.0	3054.0	3135.0	3446.9	3888.4	4188.1	3685.9	3370.0	3114.8	2964.9	2969.0
72.5°	2195.3	2264.2	2434.3	2867.7	3463.1	3770.9	3228.2	2730.0	2341.1	2138.6	2102.2
75°	1028.8	1065.3	1211.1	1729.5	2555.8	3054.0	2418.1	1753.8	1328.5	1126.0	1057.2
77.5°	251.1	287.6	409.1	769.6	1442.0	2029.3	1417.6	826.3	510.4	396.9	360.5
80°	105.3	109.4	113.4	141.8	401.0	947.8	563.0	275.4	182.3	158.0	145.8
82.5°	48.6	56.7	68.9	72.9	93.2	170.1	174.2	133.7	117.5	105.3	93.2
85°	20.3	24.3	36.5	40.5	52.7	56.7	64.8	77.0	77.0	52.7	48.6
87.5°	4.1	8.1	12.2	12.2	16.2	16.2	20.3	28.4	36.5	20.3	16.2
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)