

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: P525290

Luminaire Tested: **IFLD-S-SA6A-930-U-11**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P525290  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-930-U-11  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 11 distribution lens  
Light Source: (96) 3000K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

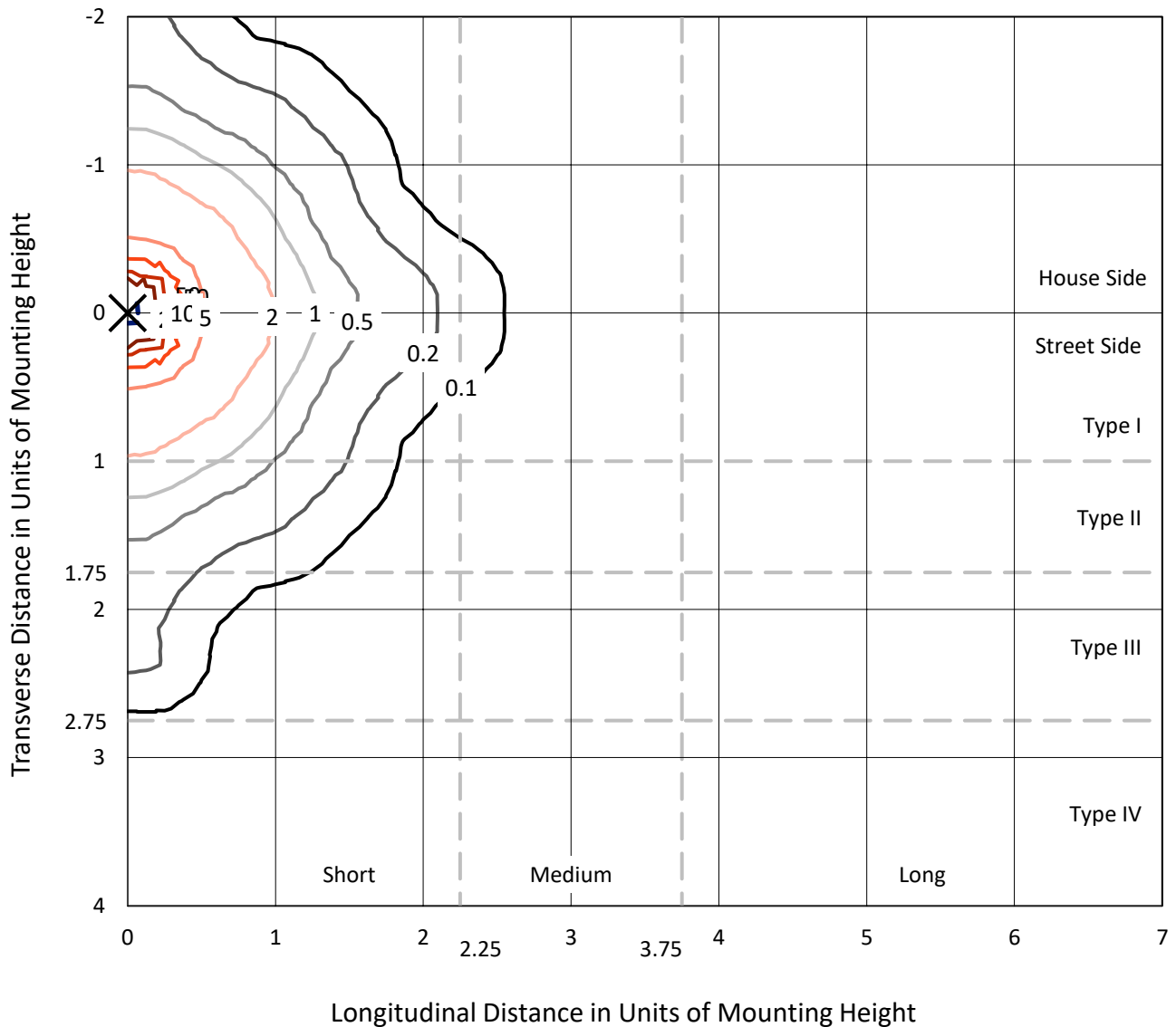
Lumens per Lamp: N/A  
Luminaire Lumens: 9968.1 lumens  
Efficiency: N/A  
Efficacy: 52.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

Input Watts (W): 189.6  
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

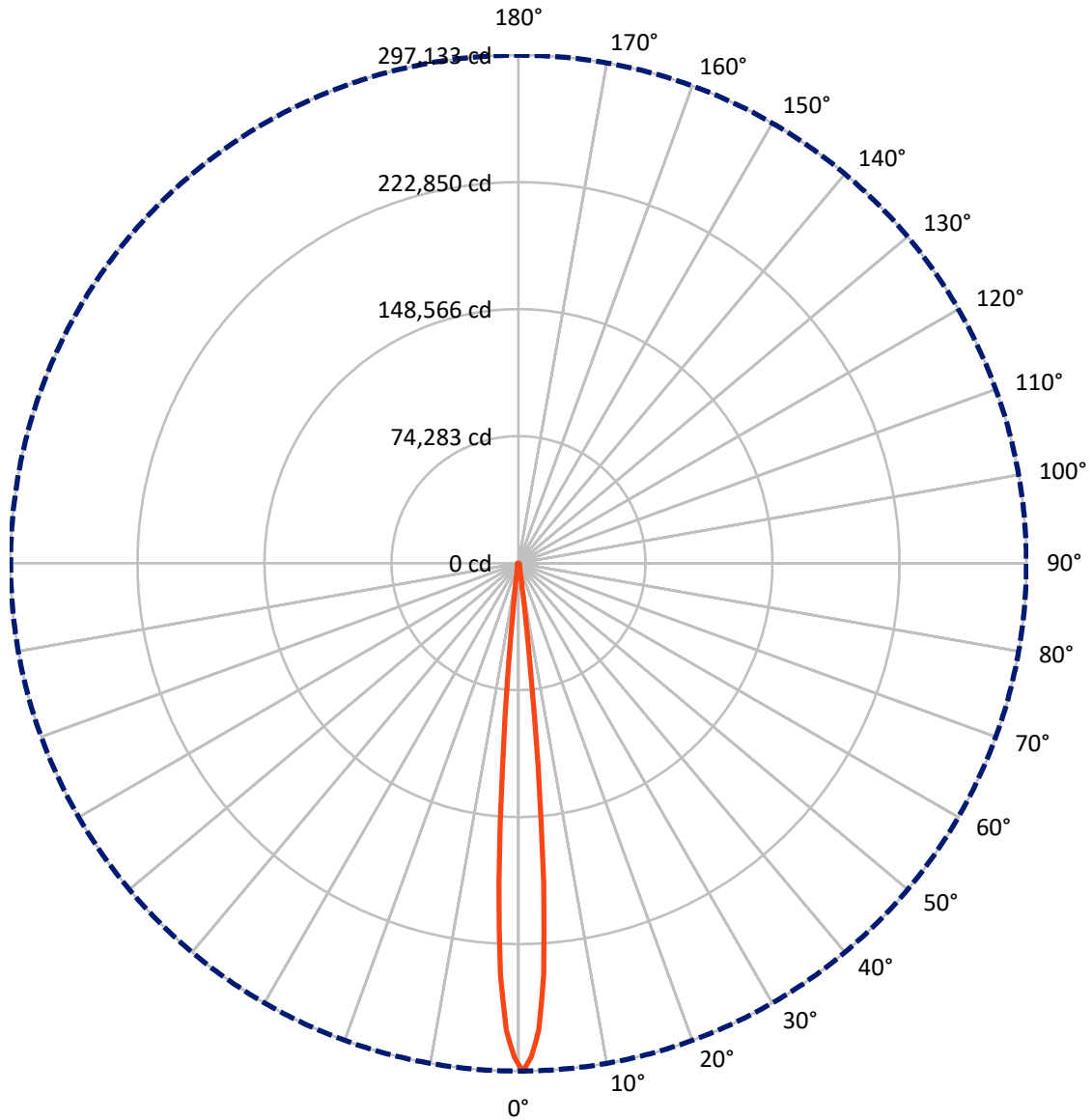
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2971.3 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral      - - - Horizontal Cone Through 0-Deg Vertical

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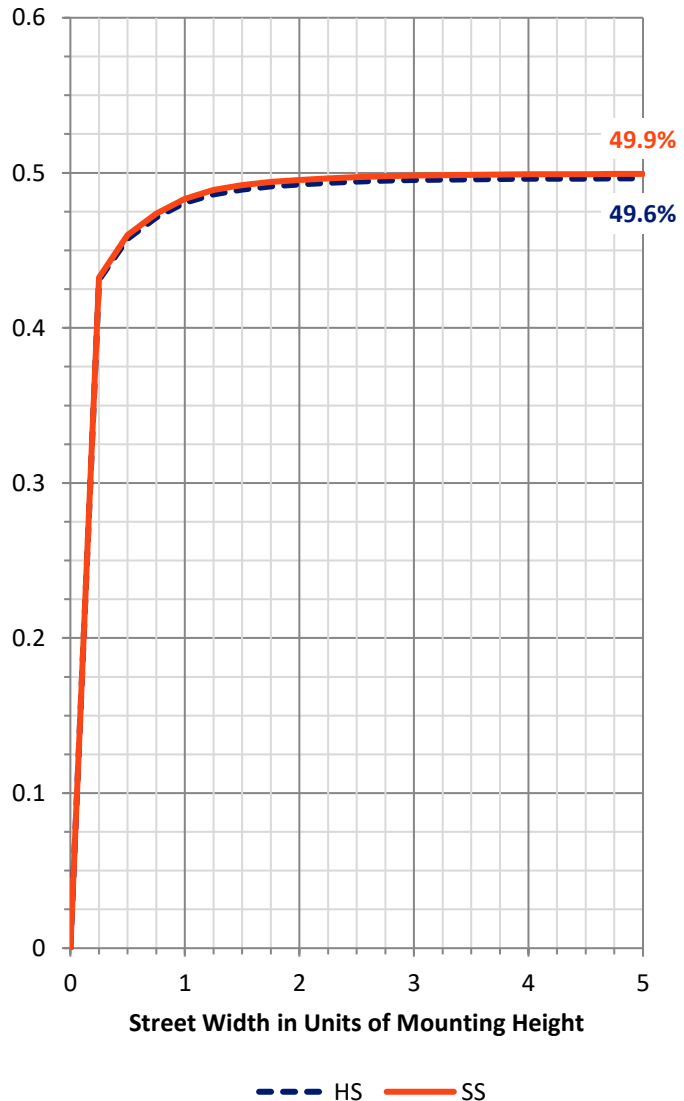
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4984.1	0.0	4984.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4984.1	0.0	4984.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9968.1	0.0	9968.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7655.5	76.8
10°-20°	746.7	7.5
20°-30°	398.9	4.0
30°-40°	329.0	3.3
40°-50°	366.3	3.7
50°-60°	246.4	2.5
60°-70°	157.2	1.6
70°-80°	62.1	0.6
80°-90°	6.1	0.1
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°	9968.1	100.0
0°-180°	9968.1	100.0

**Coefficient of Utilization**

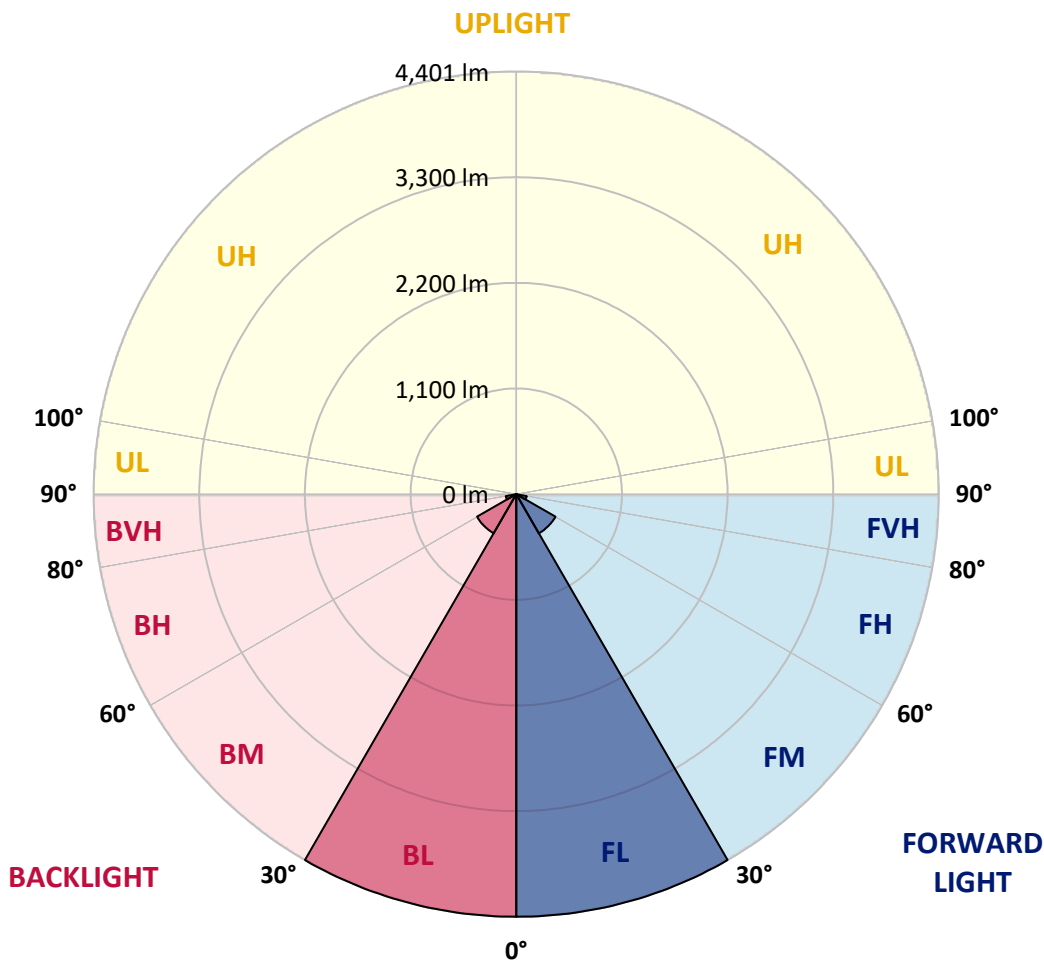


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4400.5	44.1			
FM (30°-60°)	470.8	4.7			
FH (60°-80°)	109.6	1.1			G0/660
FVH (80°-90°)	3.0	0.0			G0/10
BL (0°-30°)	4400.5	44.1	B4/5000		
BM (30°-60°)	470.8	4.7	B1/1000		
BH (60°-80°)	109.6	1.1	B0/110		G0/660
BVH (80°-90°)	3.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	297132.9	297132.9	297132.9	297132.9	297132.9	297132.9	297132.9	297132.9	297132.9	297132.9
1°	288874.7	289377.1	289467.7	288869.5	287344.3	287704.2	287657.6	287737.9	287587.7	286634.7
2°	273233.7	273976.9	273194.8	271516.8	268041.6	267212.9	264444.7	261355.3	258066.6	254770.0
3°	241306.8	242870.9	241754.8	243546.8	236498.0	235785.9	229964.5	222289.0	214509.9	208206.9
4°	187094.1	189984.1	190367.3	196281.9	190491.6	192301.7	185651.7	174987.9	163350.3	154447.4
5°	119257.6	123287.0	125560.7	131107.5	133774.8	140720.0	137480.5	126777.8	113330.1	103088.3
6°	60256.8	62450.2	68559.0	74657.4	81468.0	90684.3	91932.5	82537.5	71834.8	62004.8
7°	28089.1	28995.5	33304.5	34604.5	42391.3	52389.7	53788.0	48637.4	42992.1	35373.6
8°	14514.6	14866.7	16441.2	17407.1	21949.2	27700.7	28682.1	25440.0	23130.1	19297.5
9°	8939.2	9094.6	9685.0	9902.5	11601.3	14159.8	14506.8	13149.9	12523.2	11199.9
10°	6199.4	6282.3	6559.4	6616.4	7183.5	8025.1	8056.2	7610.8	7621.1	7289.7
12.5°	3304.3	3330.2	3407.9	3415.6	3524.4	3612.5	3591.7	3594.3	3638.4	3594.3
15°	2113.1	2126.0	2172.7	2183.0	2240.0	2271.1	2255.5	2252.9	2268.5	2240.0
17.5°	1507.1	1514.9	1548.6	1577.1	1613.3	1623.7	1618.5	1613.3	1613.3	1587.4
20°	1175.7	1186.0	1209.3	1237.8	1255.9	1274.1	1276.7	1274.1	1266.3	1253.4
22.5°	999.6	1004.8	1012.5	1025.5	1038.4	1046.2	1051.4	1054.0	1051.4	1046.2
25°	870.1	875.3	890.8	898.6	898.6	901.2	911.5	916.7	919.3	908.9
27.5°	642.2	655.2	678.5	691.4	691.4	696.6	704.4	714.7	725.1	707.0
30°	497.2	507.6	533.5	533.5	530.9	536.0	543.8	559.3	574.9	554.2
32.5°	448.0	448.0	453.2	455.8	455.8	463.5	468.7	481.7	494.6	489.4
35°	468.7	455.8	440.2	440.2	445.4	460.9	463.5	476.5	489.4	507.6
37.5°	681.1	642.2	585.2	574.9	574.9	593.0	585.2	593.0	616.3	683.6
40°	618.9	587.8	554.2	507.6	507.6	533.5	515.3	525.7	580.1	621.5
42.5°	551.6	551.6	515.3	471.3	471.3	484.3	479.1	484.3	546.4	580.1
45°	510.1	510.1	499.8	429.9	440.2	448.0	448.0	448.0	530.9	541.2
47.5°	486.8	486.8	460.9	396.2	409.2	411.7	416.9	411.7	476.5	512.7
50°	435.0	440.2	396.2	349.6	365.1	365.1	372.9	362.5	411.7	471.3
52.5°	375.5	380.7	313.3	277.1	295.2	292.6	303.0	287.4	326.3	409.2
55°	334.1	331.5	259.0	225.3	246.0	243.4	248.6	230.5	264.1	352.2
57.5°	290.0	295.2	212.3	183.9	207.2	202.0	209.8	189.0	217.5	313.3
60°	256.4	264.1	181.3	155.4	178.7	173.5	181.3	158.0	186.4	282.3
62.5°	246.0	246.0	160.6	132.1	155.4	150.2	155.4	132.1	165.7	259.0
65°	292.6	277.1	145.0	108.8	132.1	126.9	132.1	108.8	145.0	248.6
67.5°	388.4	370.3	137.2	85.5	106.2	98.4	106.2	88.0	126.9	233.1
70°	202.0	214.9	137.2	67.3	80.3	80.3	77.7	67.3	106.2	170.9
72.5°	116.5	119.1	106.2	51.8	62.1	67.3	59.6	51.8	77.7	126.9
75°	64.7	72.5	67.3	38.8	46.6	51.8	44.0	38.8	54.4	90.6
77.5°	38.8	44.0	38.8	25.9	31.1	28.5	31.1	25.9	36.3	59.6
80°	20.7	20.7	20.7	15.5	15.5	18.1	18.1	15.5	20.7	31.1
82.5°	7.8	7.8	7.8	5.2	7.8	7.8	7.8	10.4	10.4	12.9
85°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
87.5°	0.0	0.0	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C



90°  
297132.9  
287574.8  
256668.2  
210597.1  
156511.2  
104401.3  
62740.2  
36295.5  
19818.0  
11487.3  
7442.4  
3643.5  
2260.7  
1595.2  
1255.9  
1048.8  
908.9  
704.4  
549.0  
489.4  
517.9  
717.3  
660.3  
582.7  
538.6  
505.0  
466.1  
398.8  
347.0  
305.6  
274.5  
256.4  
248.6  
230.5  
168.3  
124.3  
80.3  
44.0  
25.9  
12.9  
2.6  
2.6  
0.0

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