

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: P524066

Luminaire Tested: **IFLD-S-SA3A-927-U-66**

Issue Date: 05/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P524066  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-927-U-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens  
Light Source: (48) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

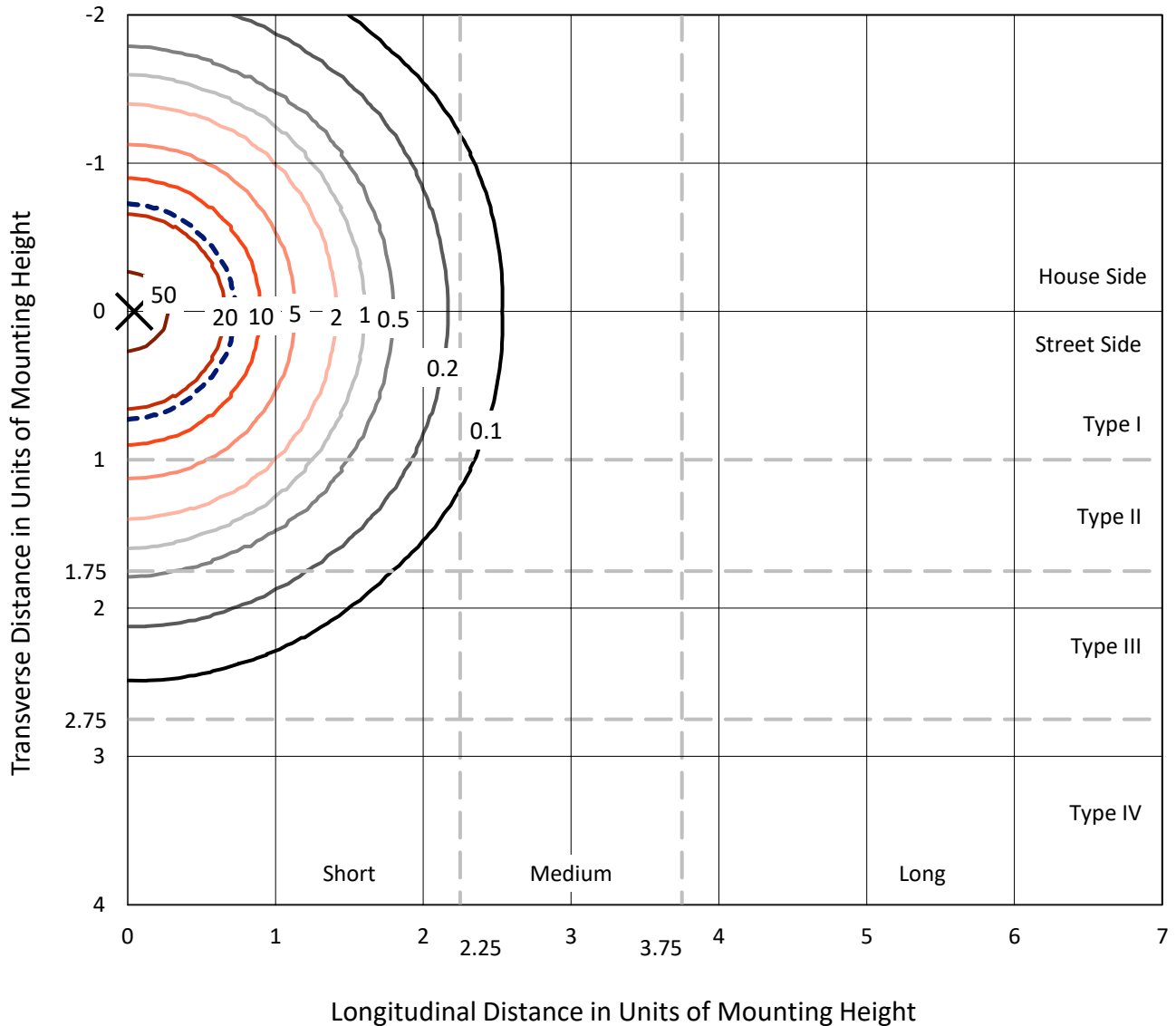
Lumens per Lamp: N/A  
Luminaire Lumens: 9037.3 lumens  
Efficiency: N/A  
Efficacy: 95.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

Input Watts (W): 94.8  
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

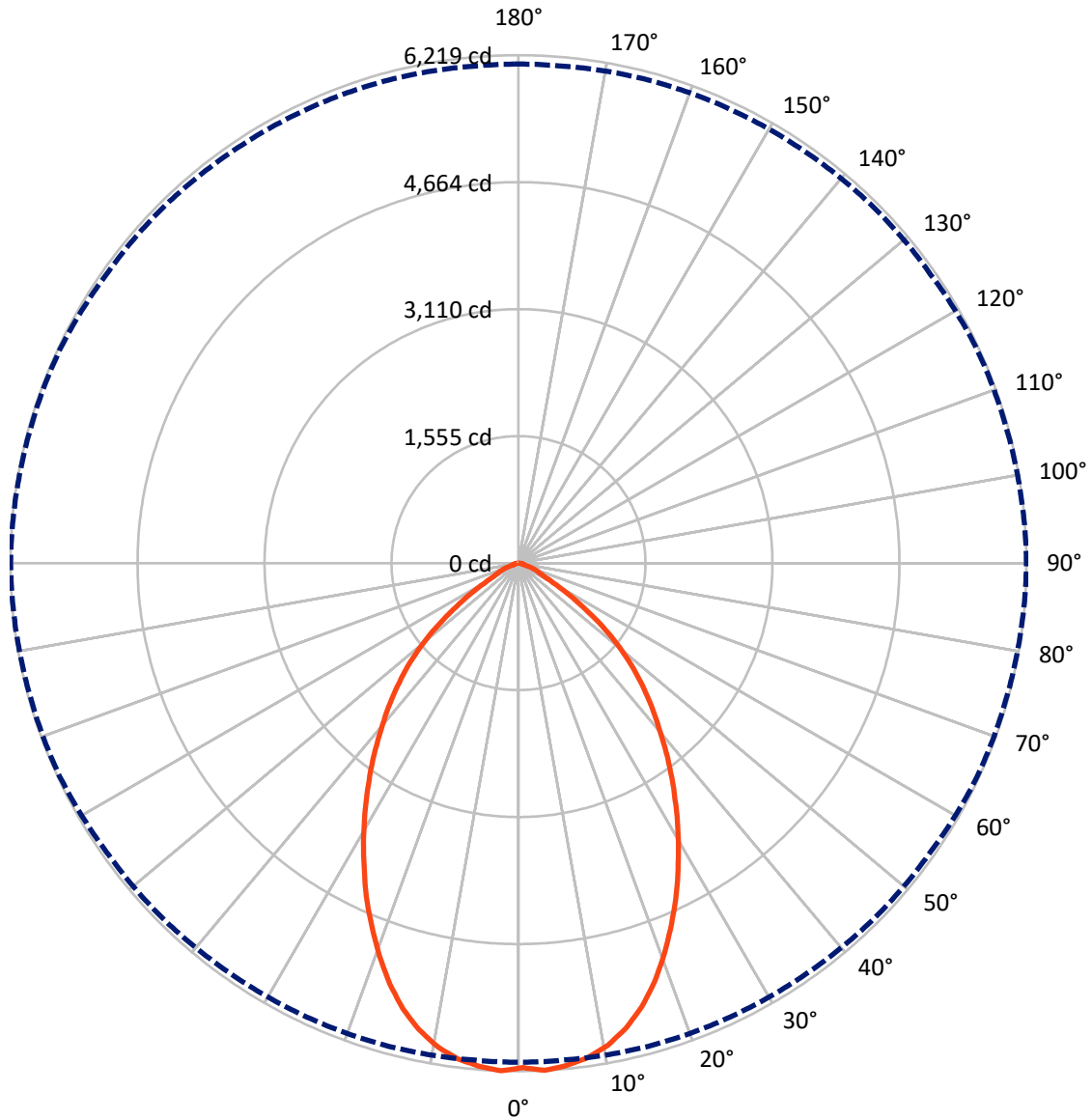
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 61.8 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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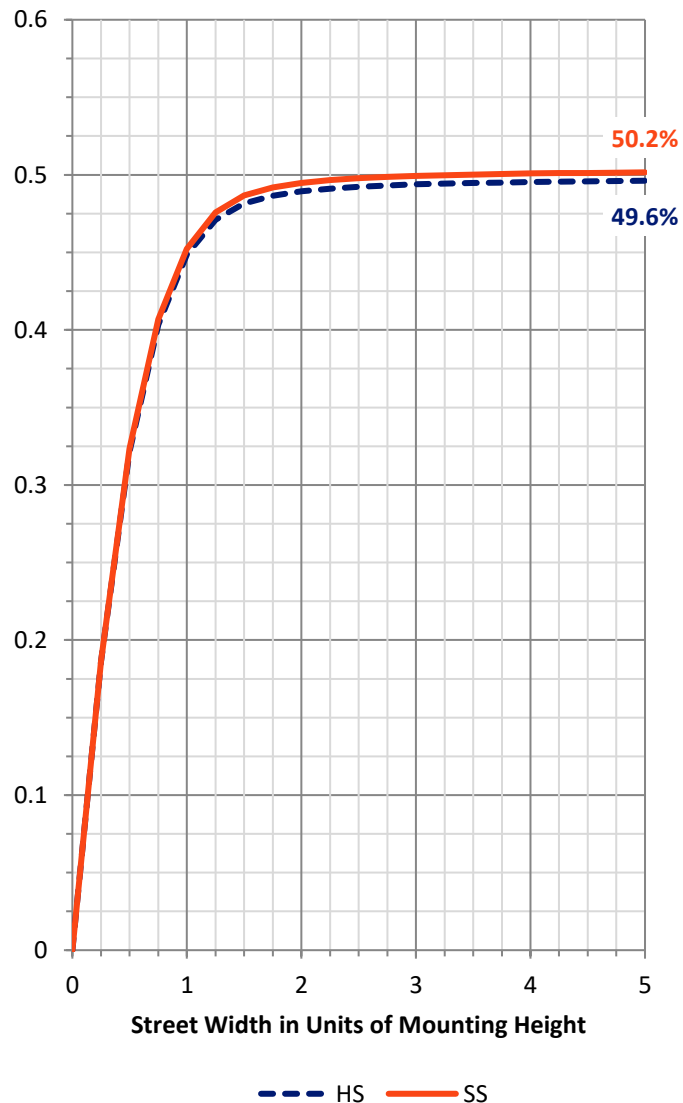
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4518.7	0.0	4518.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4518.7	0.0	4518.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9037.3	0.0	9037.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	579.9	6.4
10°-20°	1558.2	17.2
20°-30°	2016.0	22.3
30°-40°	1988.3	22.0
40°-50°	1608.6	17.8
50°-60°	875.8	9.7
60°-70°	277.5	3.1
70°-80°	107.4	1.2
80°-90°	25.7	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°	9037.3	100.0
0°-180°	9037.3	100.0

**Coefficient of Utilization**



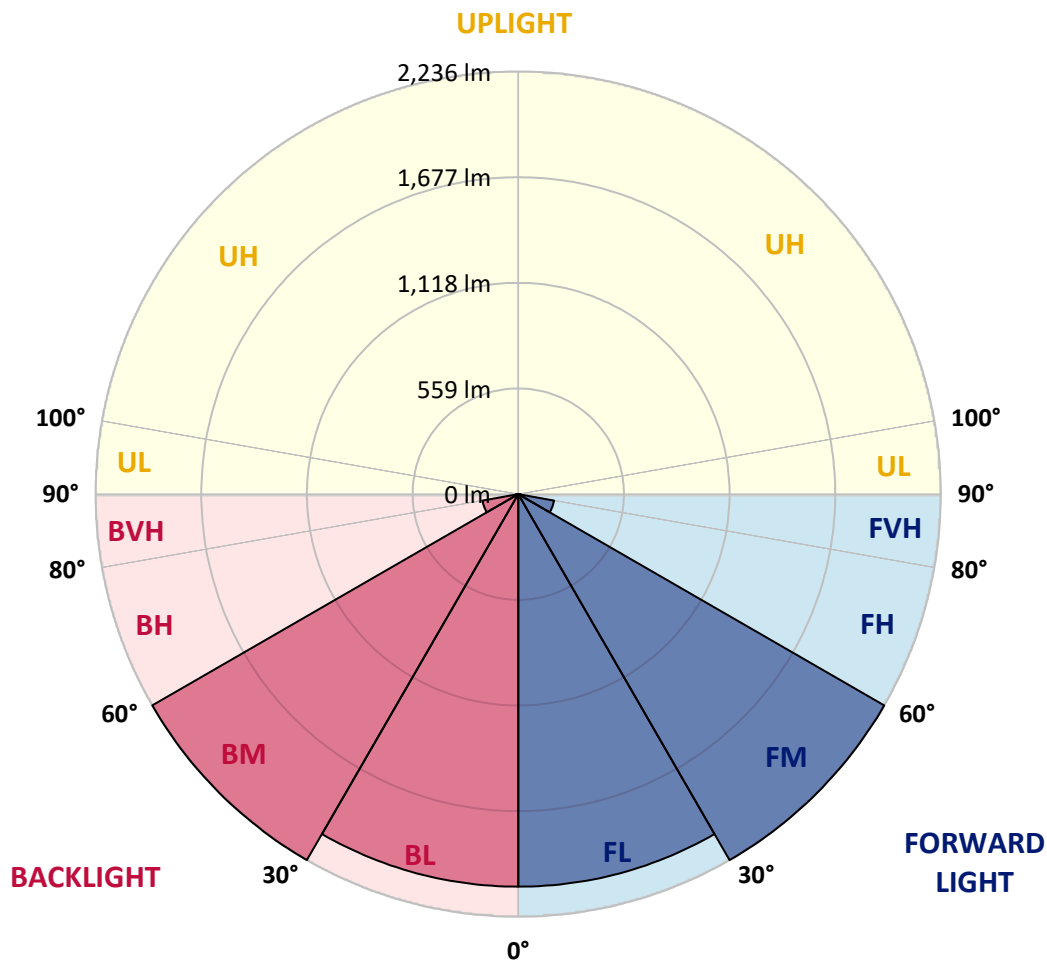
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2077.1	23.0			
FM (30°-60°)	2236.3	24.7			
FH (60°-80°)	192.4	2.1			G0/660
FVH (80°-90°)	12.8	0.1			G1/100
BL (0°-30°)	2077.1	23.0	B3/2500		
BM (30°-60°)	2236.3	24.7	B2/2500		
BH (60°-80°)	192.4	2.1	B1/500		G0/660
BVH (80°-90°)	12.8	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6177.3	6177.3	6177.3	6177.3	6177.3	6177.3	6177.3	6177.3	6177.3	6177.3	6177.3
2.5°	6110.7	6109.4	6125.0	6131.6	6139.4	6155.1	6160.3	6194.2	6198.1	6211.2	6219.0
5°	6100.2	6095.0	6110.7	6113.3	6122.4	6125.0	6132.9	6156.4	6153.7	6173.3	6177.3
7.5°	6044.1	6037.5	6050.6	6053.2	6066.3	6062.3	6075.4	6092.4	6092.4	6106.7	6113.3
10°	5918.7	5917.4	5930.5	5931.8	5950.1	5946.1	5967.0	5971.0	5981.4	5991.8	6003.6
12.5°	5768.6	5751.6	5768.6	5762.0	5786.8	5772.5	5801.2	5810.4	5815.6	5833.9	5843.0
15°	5575.3	5554.4	5566.2	5559.7	5575.3	5557.0	5587.1	5605.4	5611.9	5630.2	5639.3
17.5°	5316.8	5299.8	5302.4	5293.3	5303.7	5289.4	5318.1	5346.8	5356.0	5375.6	5388.6
20°	4991.7	4991.7	4993.0	4985.2	4994.3	4979.9	4998.2	5042.6	5051.7	5077.9	5100.1
22.5°	4674.4	4674.4	4678.3	4667.9	4670.5	4663.9	4683.5	4726.6	4741.0	4768.4	4795.8
25°	4370.2	4364.9	4367.6	4358.4	4348.0	4350.6	4374.1	4401.5	4432.8	4468.1	4489.0
27.5°	4080.3	4086.8	4071.2	4064.6	4056.8	4042.4	4069.9	4103.8	4126.0	4154.7	4165.2
30°	3770.9	3783.9	3772.2	3766.9	3747.3	3729.1	3757.8	3791.7	3813.9	3841.4	3853.1
32.5°	3495.4	3491.4	3481.0	3469.2	3449.7	3435.3	3447.0	3486.2	3503.2	3531.9	3535.8
35°	3200.3	3197.7	3191.1	3167.6	3161.1	3144.1	3154.6	3188.5	3201.6	3218.5	3231.6
37.5°	2911.7	2902.6	2900.0	2890.8	2879.1	2875.1	2875.1	2893.4	2906.5	2923.5	2936.5
40°	2625.8	2628.4	2620.5	2612.7	2608.8	2603.6	2604.9	2615.3	2625.8	2633.6	2641.4
42.5°	2367.2	2352.9	2347.6	2339.8	2343.7	2350.3	2335.9	2351.6	2364.6	2364.6	2381.6
45°	2070.8	2077.4	2080.0	2093.0	2093.0	2086.5	2081.3	2089.1	2102.2	2100.9	2117.8
47.5°	1812.3	1804.5	1811.0	1830.6	1847.6	1850.2	1834.5	1838.4	1842.3	1835.8	1851.5
50°	1529.0	1531.6	1530.3	1560.3	1594.3	1582.5	1570.8	1574.7	1573.4	1573.4	1576.0
52.5°	1220.8	1227.4	1219.5	1262.6	1299.2	1290.0	1282.2	1282.2	1288.7	1287.4	1286.1
55°	940.1	937.5	920.5	941.4	974.0	975.4	963.6	968.8	975.4	981.9	980.6
57.5°	699.9	692.0	668.5	669.8	706.4	715.5	705.1	703.8	711.6	714.2	728.6
60°	471.4	470.1	449.2	447.9	462.2	487.0	475.3	475.3	477.9	481.8	485.7
62.5°	322.5	325.1	317.3	316.0	318.6	339.5	338.2	336.9	335.6	340.8	339.5
65°	253.3	254.6	252.0	252.0	253.3	262.4	271.6	272.9	274.2	275.5	274.2
67.5°	203.7	205.0	202.4	205.0	205.0	206.3	219.4	224.6	225.9	225.9	224.6
70°	156.7	161.9	164.5	164.5	164.5	164.5	173.7	180.2	178.9	171.0	163.2
72.5°	78.3	95.3	131.9	133.2	131.9	130.6	135.8	142.3	141.0	99.2	74.4
75°	52.2	56.1	103.2	108.4	107.1	101.8	107.1	114.9	112.3	64.0	61.4
77.5°	30.0	32.6	69.2	79.6	86.2	74.4	84.9	92.7	88.8	52.2	50.9
80°	23.5	22.2	49.6	61.4	58.8	47.0	69.2	74.4	67.9	39.2	35.3
82.5°	14.4	14.4	32.6	47.0	43.1	27.4	48.3	57.5	50.9	28.7	26.1
85°	7.8	9.1	15.7	23.5	24.8	18.3	26.1	31.3	31.3	18.3	18.3
87.5°	3.9	3.9	5.2	5.2	6.5	7.8	7.8	9.1	6.5	5.2	5.2
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)