

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: P524063

Luminaire Tested: **IFLD-S-SA2C-927-U-66**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P524063  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2C-927-U-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens  
Light Source: (32) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

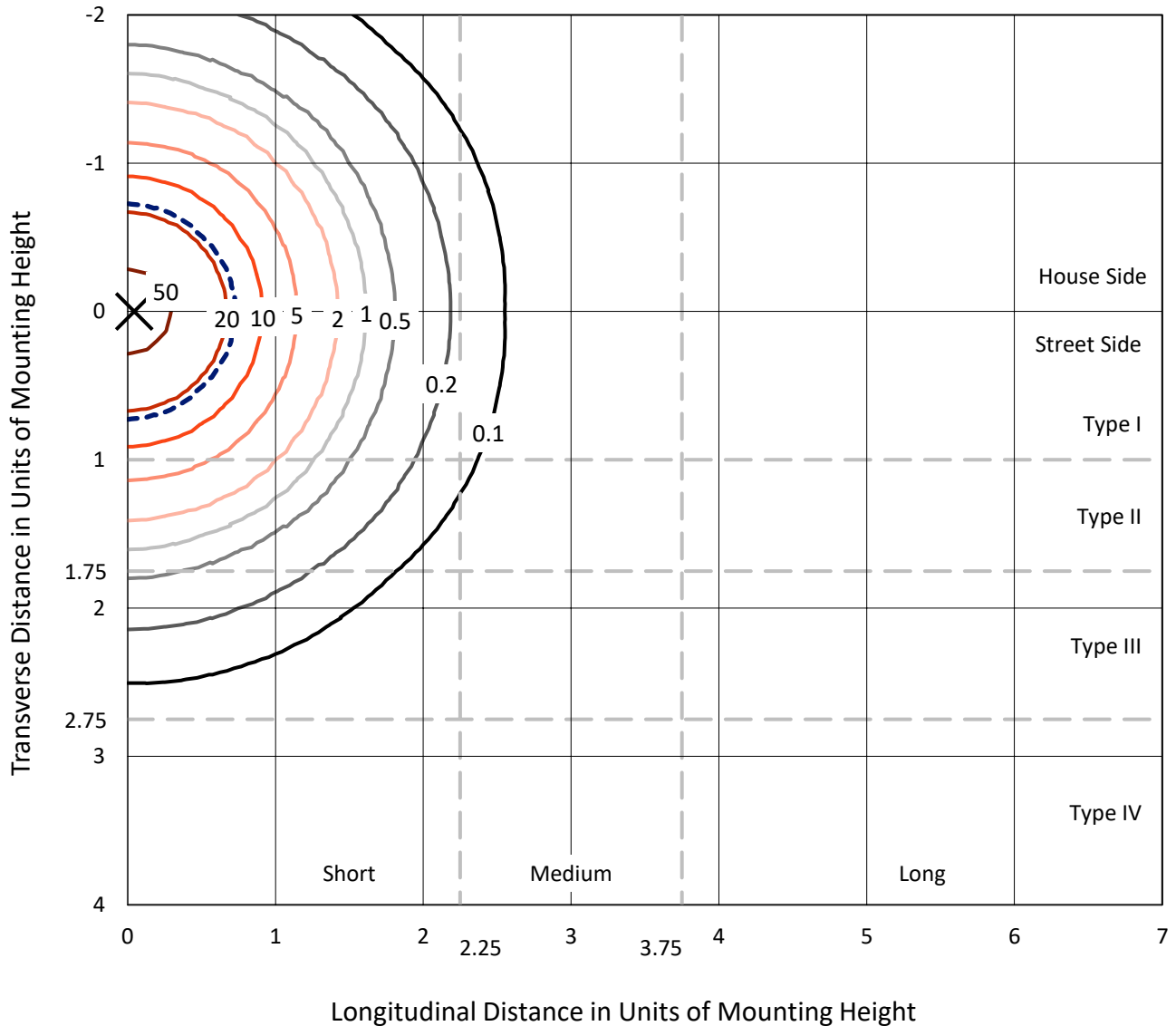
Lumens per Lamp: N/A  
Luminaire Lumens: 9336.1 lumens  
Efficiency: N/A  
Efficacy: 86.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

Input Watts (W): 108.2  
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

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### Iso-Footcandle Lines of Horizontal Illumination

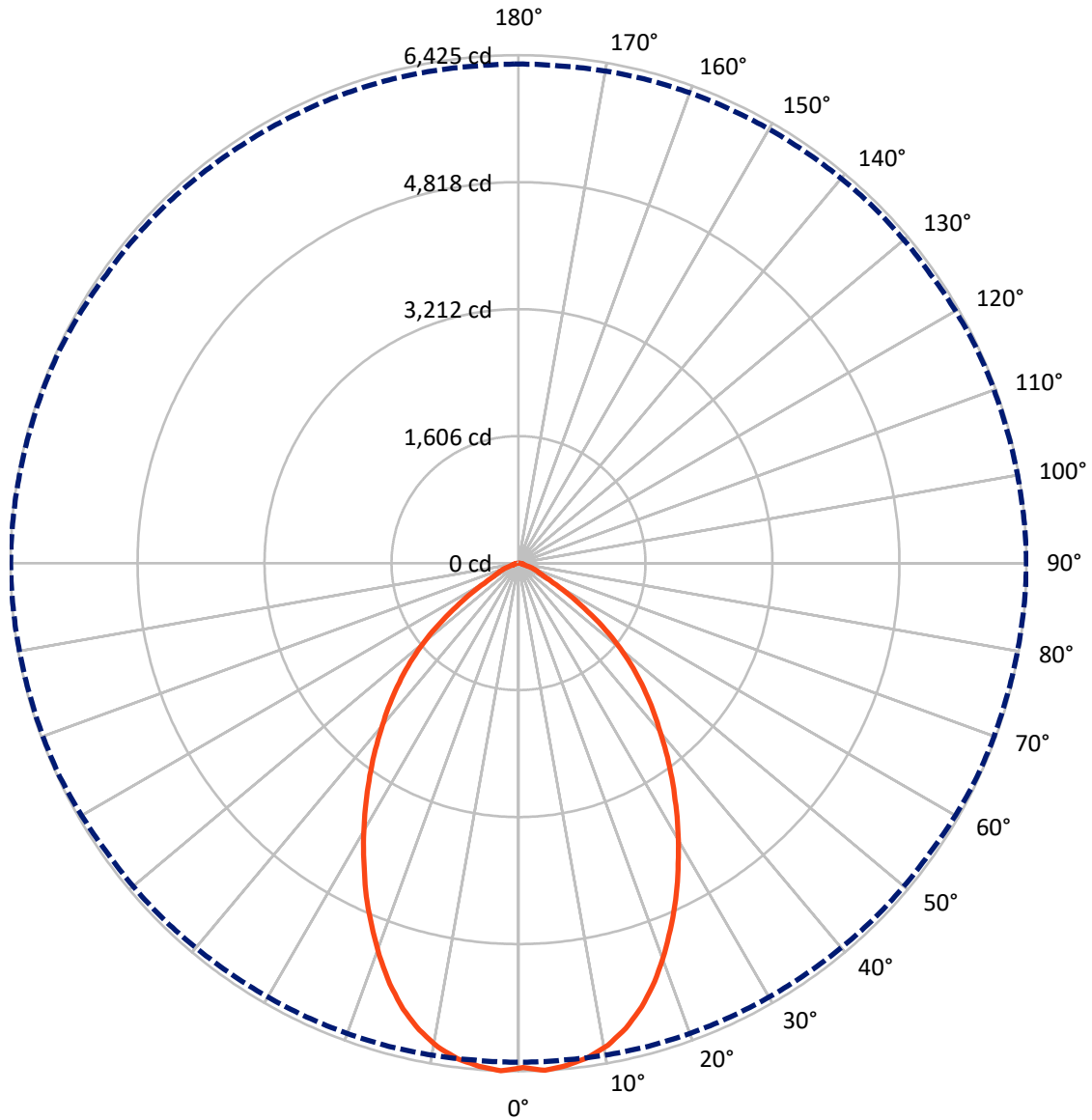
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 63.8 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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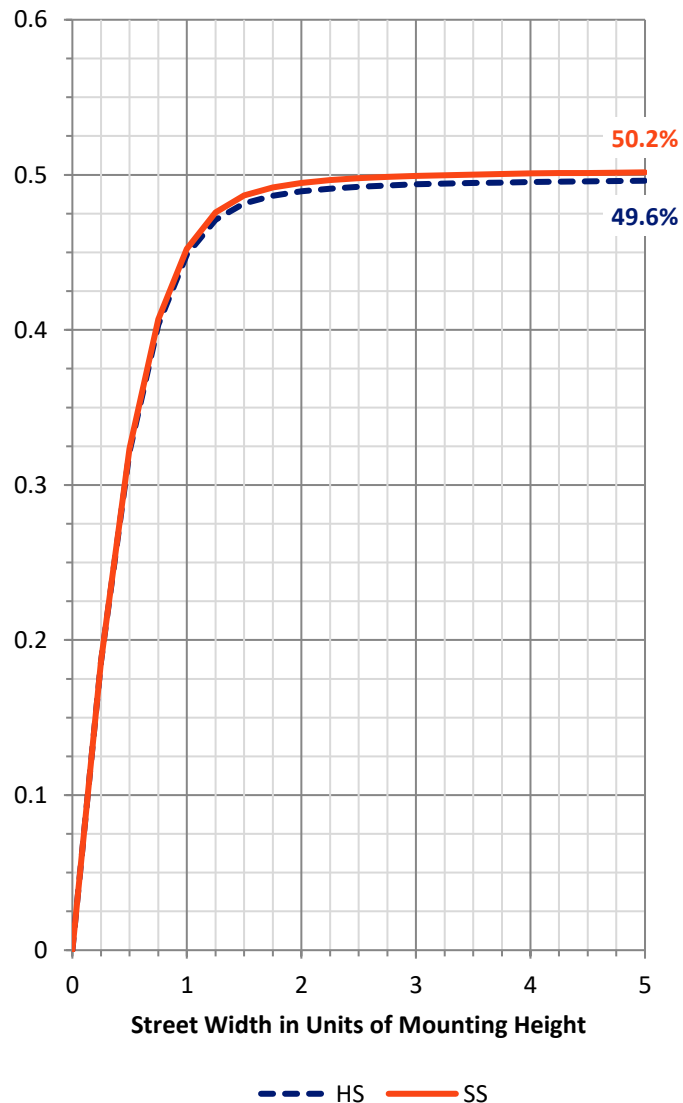
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4668.1	0.0	4668.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4668.1	0.0	4668.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9336.1	0.0	9336.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	599.1	6.4
10°-20°	1609.7	17.2
20°-30°	2082.6	22.3
30°-40°	2054.0	22.0
40°-50°	1661.8	17.8
50°-60°	904.8	9.7
60°-70°	286.7	3.1
70°-80°	110.9	1.2
80°-90°	26.5	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°	9336.1	100.0
0°-180°	9336.1	100.0

**Coefficient of Utilization**



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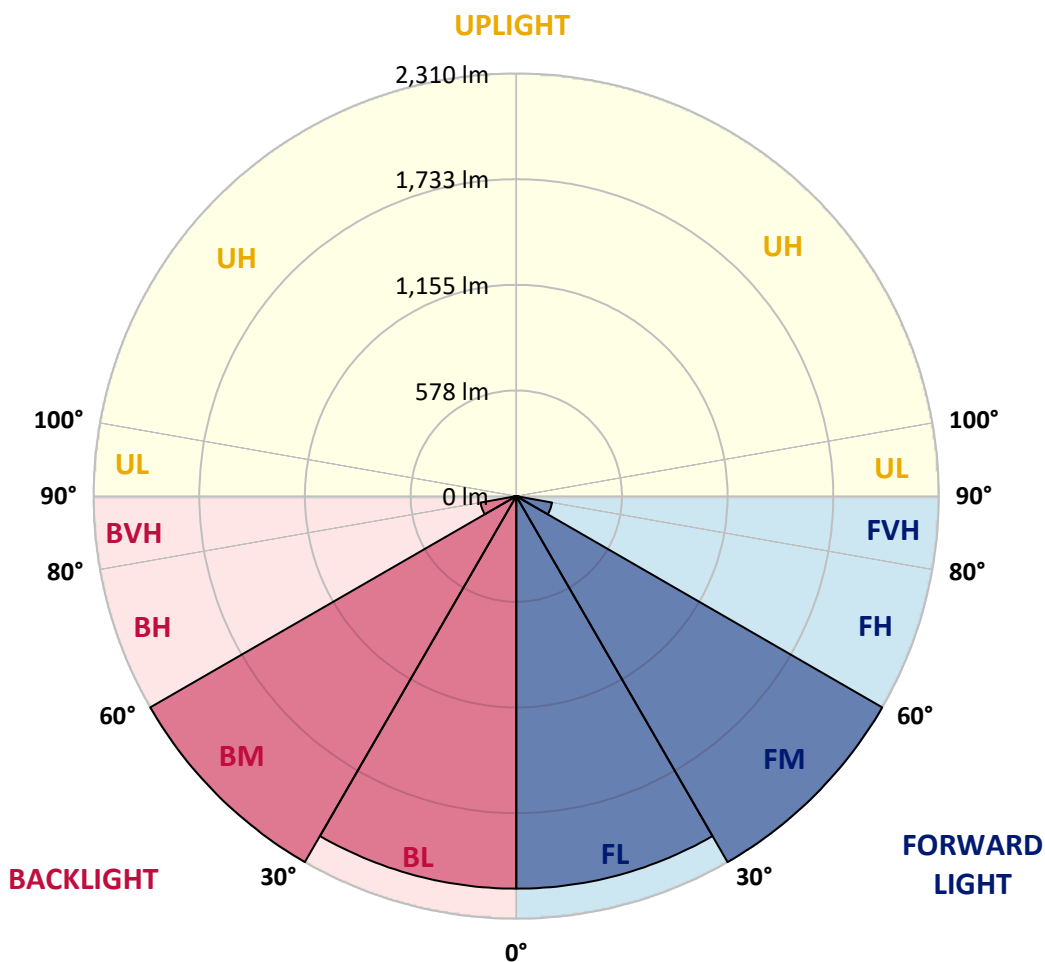
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2145.7	23.0			
FM (30°-60°)	2310.3	24.7			
FH (60°-80°)	198.8	2.1			G0/660
FVH (80°-90°)	13.3	0.1			G1/100
BL (0°-30°)	2145.7	23.0	B3/2500		
BM (30°-60°)	2310.3	24.7	B2/2500		
BH (60°-80°)	198.8	2.1	B1/500		G0/660
BVH (80°-90°)	13.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	6381.5	6381.5	6381.5	6381.5	6381.5	6381.5	6381.5	6381.5	6381.5	6381.5	6381.5
2.5°	6312.7	6311.3	6327.5	6334.3	6342.4	6358.5	6363.9	6399.0	6403.1	6416.6	6424.6
5°	6301.9	6296.5	6312.7	6315.4	6324.8	6327.5	6335.6	6359.9	6357.2	6377.4	6381.5
7.5°	6243.9	6237.2	6250.6	6253.3	6266.8	6262.8	6276.3	6293.8	6293.8	6308.6	6315.4
10°	6114.4	6113.1	6126.5	6127.9	6146.8	6142.7	6164.3	6168.4	6179.1	6189.9	6202.1
12.5°	5959.3	5941.7	5959.3	5952.5	5978.2	5963.3	5993.0	6002.4	6007.8	6026.7	6036.2
15°	5759.7	5738.1	5750.2	5743.5	5759.7	5740.8	5771.8	5790.7	5797.4	5816.3	5825.7
17.5°	5492.6	5475.0	5477.7	5468.3	5479.1	5464.3	5493.9	5523.6	5533.0	5553.3	5566.8
20°	5156.7	5156.7	5158.1	5150.0	5159.4	5144.6	5163.5	5209.3	5218.8	5245.7	5268.7
22.5°	4828.9	4828.9	4833.0	4822.2	4824.9	4818.1	4838.4	4882.9	4897.7	4926.1	4954.4
25°	4514.7	4509.3	4512.0	4502.5	4491.7	4494.4	4518.7	4547.0	4579.4	4615.8	4637.4
27.5°	4215.2	4221.9	4205.8	4199.0	4190.9	4176.1	4204.4	4239.5	4262.4	4292.1	4302.9
30°	3895.5	3909.0	3896.9	3891.5	3871.2	3852.4	3882.0	3917.1	3940.0	3968.4	3980.5
32.5°	3610.9	3606.9	3596.1	3583.9	3563.7	3548.9	3561.0	3601.5	3619.0	3648.7	3652.7
35°	3306.1	3303.4	3296.6	3272.3	3265.6	3248.1	3258.9	3293.9	3307.4	3325.0	3338.4
37.5°	3008.0	2998.5	2995.8	2986.4	2974.2	2970.2	2970.2	2989.1	3002.6	3020.1	3033.6
40°	2712.6	2715.3	2707.2	2699.1	2695.0	2689.6	2691.0	2701.8	2712.6	2720.7	2728.8
42.5°	2445.5	2430.7	2425.3	2417.2	2421.2	2428.0	2413.1	2429.3	2442.8	2442.8	2460.3
45°	2139.3	2146.0	2148.7	2162.2	2162.2	2155.5	2150.1	2158.2	2171.7	2170.3	2187.9
47.5°	1872.2	1864.1	1870.9	1891.1	1908.6	1911.3	1895.2	1899.2	1903.2	1896.5	1912.7
50°	1579.5	1582.2	1580.9	1611.9	1647.0	1634.8	1622.7	1626.7	1625.4	1625.4	1628.1
52.5°	1261.2	1267.9	1259.8	1304.4	1342.1	1332.7	1324.6	1324.6	1331.3	1330.0	1328.6
55°	971.2	968.5	950.9	972.5	1006.3	1007.6	995.5	1000.9	1007.6	1014.3	1013.0
57.5°	723.0	714.9	690.6	692.0	729.7	739.2	728.4	727.0	735.1	737.8	752.7
60°	486.9	485.6	464.0	462.7	477.5	503.1	491.0	491.0	493.7	497.7	501.8
62.5°	333.2	335.9	327.8	326.4	329.1	350.7	349.4	348.0	346.7	352.1	350.7
65°	261.7	263.0	260.3	260.3	261.7	271.1	280.6	281.9	283.3	284.6	283.3
67.5°	210.4	211.8	209.1	211.8	211.8	213.1	226.6	232.0	233.4	233.4	232.0
70°	161.9	167.3	170.0	170.0	170.0	170.0	179.4	186.1	184.8	176.7	168.6
72.5°	80.9	98.5	136.2	137.6	136.2	134.9	140.3	147.0	145.7	102.5	76.9
75°	54.0	58.0	106.6	112.0	110.6	105.2	110.6	118.7	116.0	66.1	63.4
77.5°	31.0	33.7	71.5	82.3	89.0	76.9	87.7	95.8	91.7	54.0	52.6
80°	24.3	22.9	51.3	63.4	60.7	48.6	71.5	76.9	70.1	40.5	36.4
82.5°	14.8	14.8	33.7	48.6	44.5	28.3	49.9	59.4	52.6	29.7	27.0
85°	8.1	9.4	16.2	24.3	25.6	18.9	27.0	32.4	32.4	18.9	18.9
87.5°	4.0	4.0	5.4	5.4	6.7	8.1	8.1	9.4	6.7	5.4	5.4
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)