

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: P524061

Luminaire Tested: **IFLD-S-SA2A-927-U-66**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P524061  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2A-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**

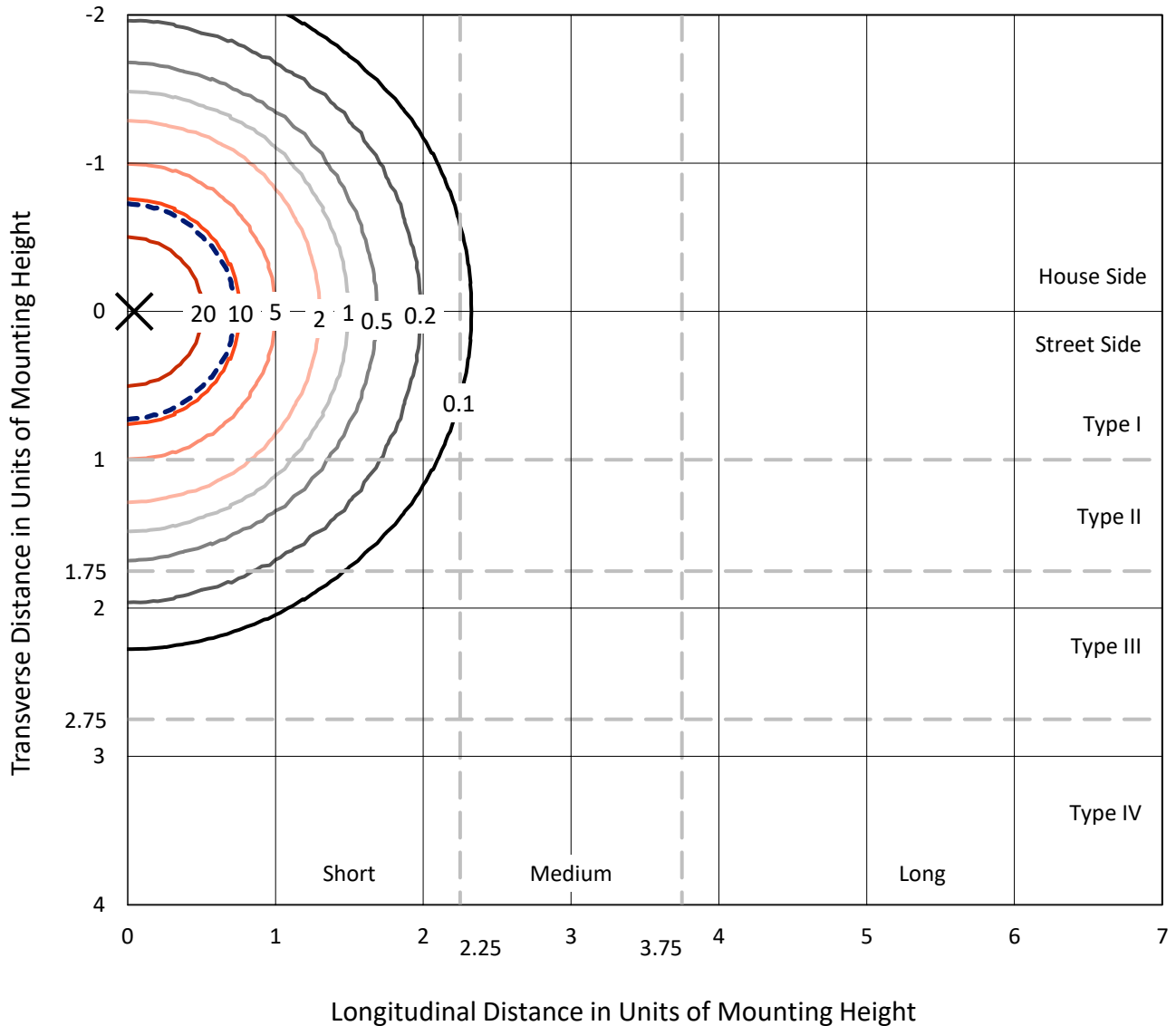
Lumens per Lamp: N/A  
Luminaire Lumens: 6064.2 lumens  
Efficiency: N/A  
Efficacy: 95.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0

Input Watts (W): 63.8  
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

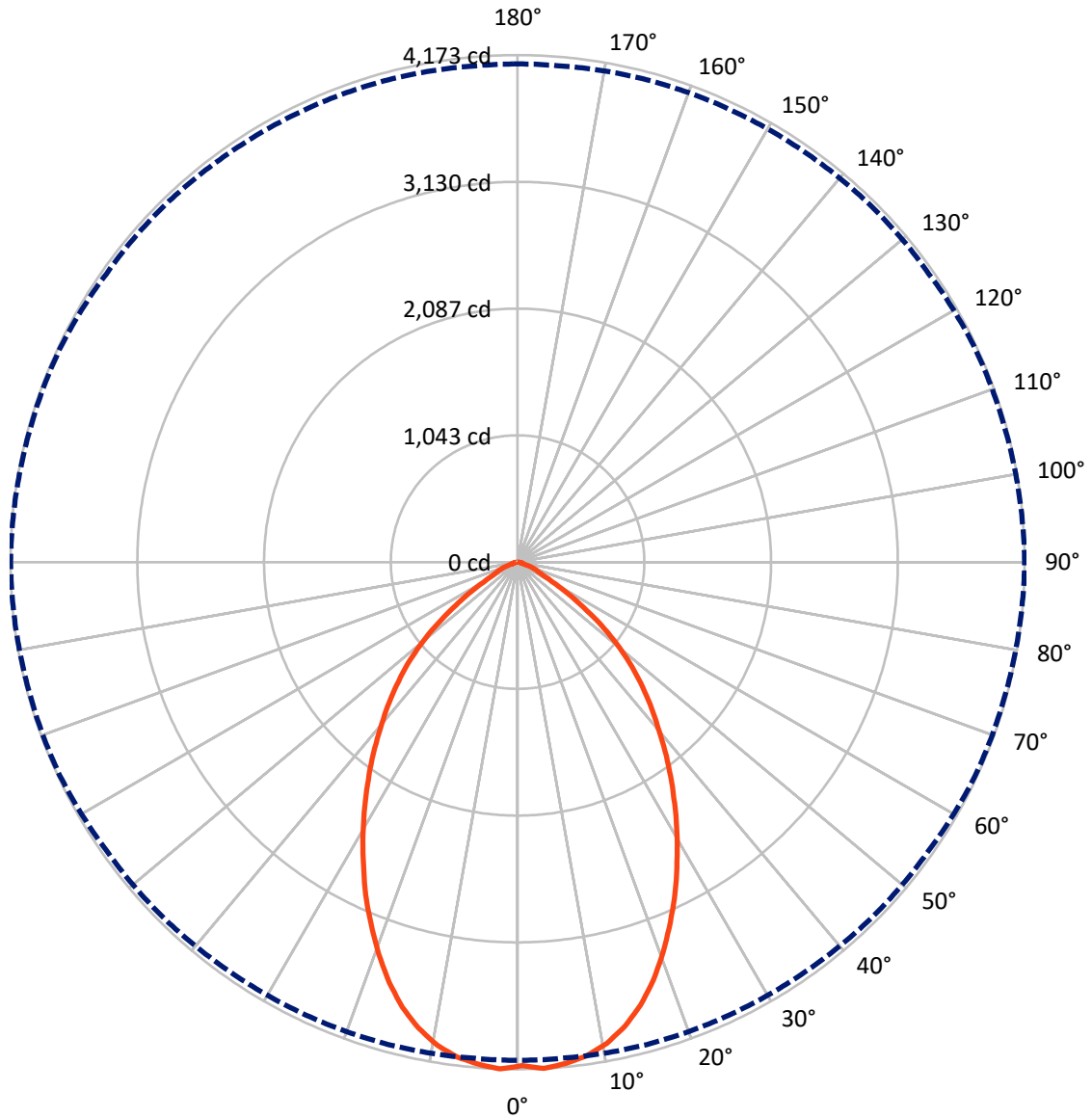
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 41.4 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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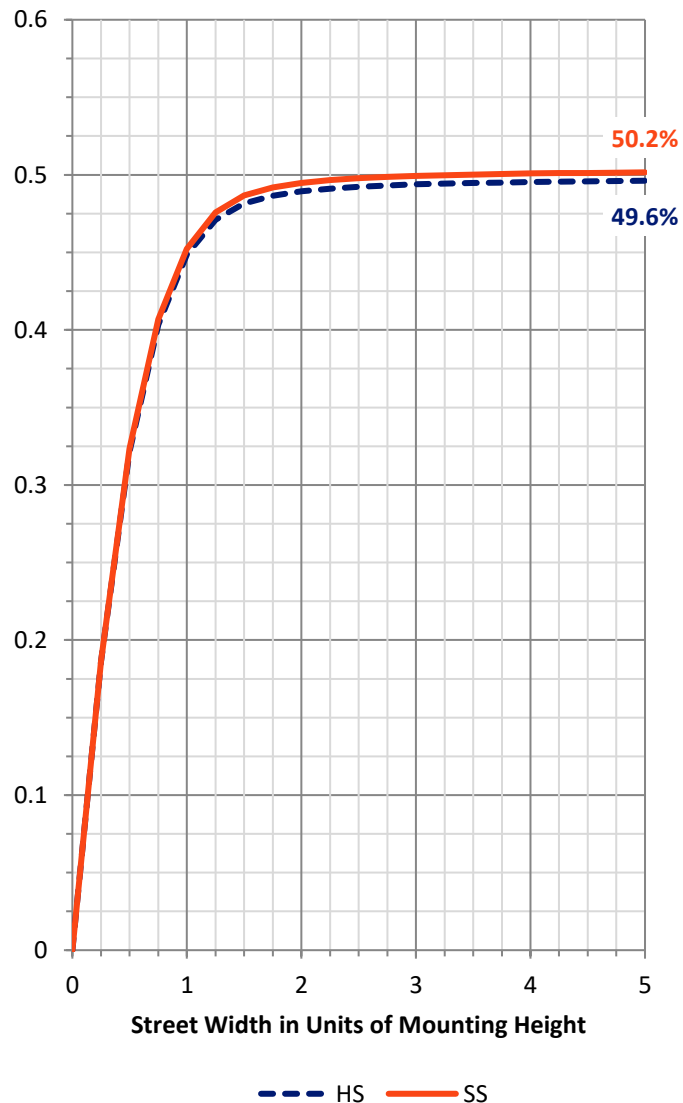
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3032.1	0.0	3032.1
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3032.1	0.0	3032.1
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6064.2	0.0	6064.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	389.1	6.4
10°-20°	1045.6	17.2
20°-30°	1352.8	22.3
30°-40°	1334.2	22.0
40°-50°	1079.4	17.8
50°-60°	587.7	9.7
60°-70°	186.2	3.1
70°-80°	72.0	1.2
80°-90°	17.2	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°	6064.2	100.0
0°-180°	6064.2	100.0

**Coefficient of Utilization**



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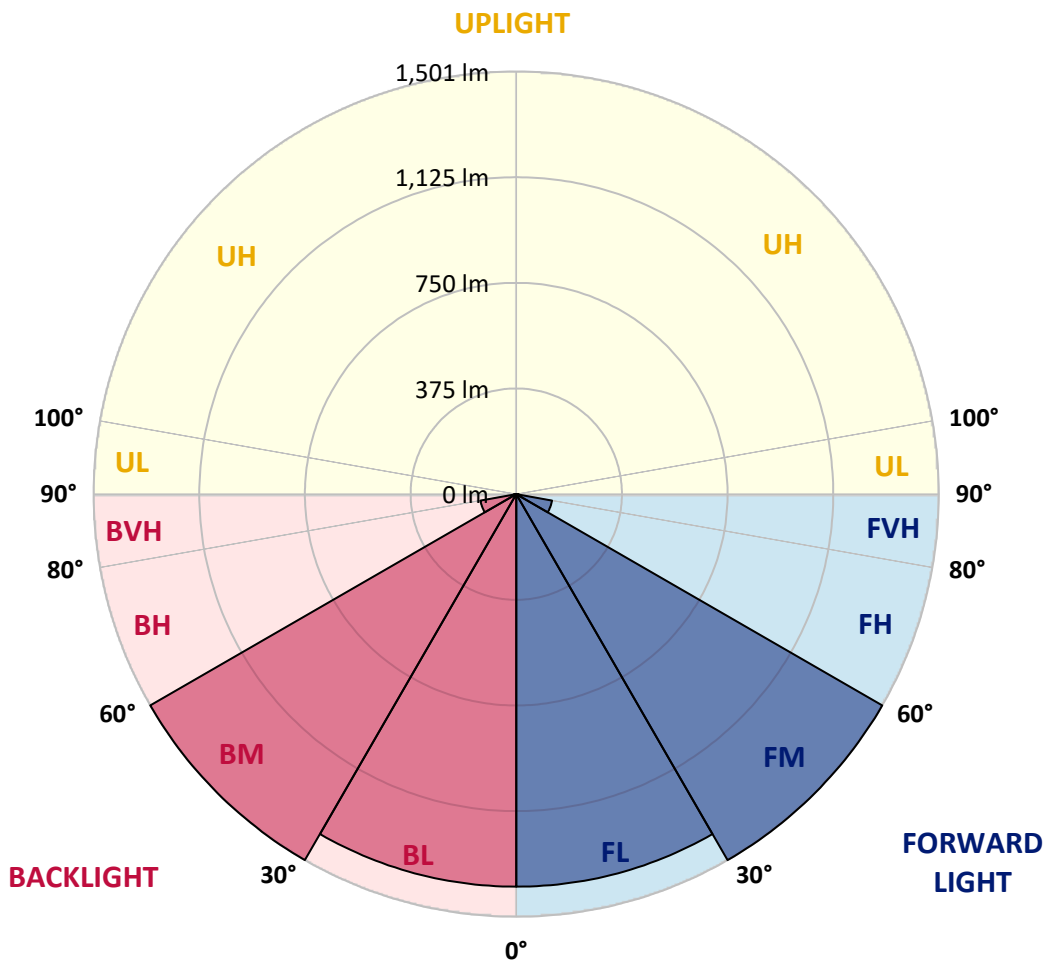
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1393.7	23.0			
FM (30°-60°)	1500.6	24.7			
FH (60°-80°)	129.1	2.1			G0/660
FVH (80°-90°)	8.6	0.1			G0/10
BL (0°-30°)	1393.7	23.0	B3/2500		
BM (30°-60°)	1500.6	24.7	B2/2500		
BH (60°-80°)	129.1	2.1	B1/500		G0/660
BVH (80°-90°)	8.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4145.0	4145.0	4145.0	4145.0	4145.0	4145.0	4145.0	4145.0	4145.0	4145.0	4145.0
2.5°	4100.4	4099.5	4110.0	4114.4	4119.6	4130.2	4133.7	4156.4	4159.1	4167.8	4173.1
5°	4093.4	4089.9	4100.4	4102.1	4108.2	4110.0	4115.3	4131.0	4129.3	4142.4	4145.0
7.5°	4055.7	4051.3	4060.1	4061.8	4070.6	4067.9	4076.7	4088.1	4088.1	4097.7	4102.1
10°	3971.6	3970.7	3979.5	3980.3	3992.6	3990.0	4004.0	4006.6	4013.6	4020.6	4028.5
12.5°	3870.8	3859.4	3870.8	3866.4	3883.1	3873.4	3892.7	3898.9	3902.4	3914.6	3920.8
15°	3741.1	3727.1	3735.0	3730.6	3741.1	3728.9	3749.0	3761.3	3765.7	3777.9	3784.1
17.5°	3567.7	3556.3	3558.0	3551.9	3558.9	3549.3	3568.5	3587.8	3594.0	3607.1	3615.9
20°	3349.5	3349.5	3350.4	3345.1	3351.3	3341.6	3353.9	3383.7	3389.8	3407.3	3422.2
22.5°	3136.6	3136.6	3139.2	3132.2	3134.0	3129.6	3142.7	3171.6	3181.3	3199.7	3218.1
25°	2932.5	2929.0	2930.7	2924.6	2917.6	2919.3	2935.1	2953.5	2974.5	2998.2	3012.2
27.5°	2738.0	2742.3	2731.8	2727.4	2722.2	2712.5	2730.9	2753.7	2768.6	2787.9	2794.9
30°	2530.3	2539.1	2531.2	2527.7	2514.5	2502.3	2521.5	2544.3	2559.2	2577.6	2585.5
32.5°	2345.4	2342.8	2335.8	2327.9	2314.8	2305.1	2313.0	2339.3	2350.7	2370.0	2372.6
35°	2147.4	2145.7	2141.3	2125.5	2121.1	2109.8	2116.8	2139.5	2148.3	2159.7	2168.5
37.5°	1953.8	1947.7	1945.9	1939.8	1931.9	1929.3	1929.3	1941.5	1950.3	1961.7	1970.5
40°	1761.9	1763.7	1758.4	1753.2	1750.5	1747.0	1747.9	1754.9	1761.9	1767.2	1772.4
42.5°	1588.5	1578.8	1575.3	1570.1	1572.7	1577.1	1567.4	1577.9	1586.7	1586.7	1598.1
45°	1389.6	1393.9	1395.7	1404.5	1404.5	1400.1	1396.6	1401.8	1410.6	1409.7	1421.1
47.5°	1216.1	1210.8	1215.2	1228.4	1239.7	1241.5	1231.0	1233.6	1236.2	1231.9	1242.4
50°	1026.0	1027.7	1026.8	1047.0	1069.8	1061.9	1054.0	1056.6	1055.8	1055.8	1057.5
52.5°	819.2	823.6	818.3	847.2	871.8	865.6	860.4	860.4	864.8	863.9	863.0
55°	630.8	629.1	617.7	631.7	653.6	654.5	646.6	650.1	654.5	658.9	658.0
57.5°	469.6	464.4	448.6	449.5	474.0	480.1	473.1	472.2	477.5	479.3	488.9
60°	316.3	315.4	301.4	300.5	310.2	326.8	318.9	318.9	320.7	323.3	325.9
62.5°	216.4	218.2	212.9	212.0	213.8	227.8	226.9	226.0	225.2	228.7	227.8
65°	170.0	170.8	169.1	169.1	170.0	176.1	182.2	183.1	184.0	184.9	184.0
67.5°	136.7	137.6	135.8	137.6	137.6	138.4	147.2	150.7	151.6	151.6	150.7
70°	105.1	108.6	110.4	110.4	110.4	110.4	116.5	120.9	120.0	114.8	109.5
72.5°	52.6	64.0	88.5	89.4	88.5	87.6	91.1	95.5	94.6	66.6	49.9
75°	35.0	37.7	69.2	72.7	71.8	68.3	71.8	77.1	75.3	42.9	41.2
77.5°	20.2	21.9	46.4	53.4	57.8	49.9	56.9	62.2	59.6	35.0	34.2
80°	15.8	14.9	33.3	41.2	39.4	31.5	46.4	49.9	45.6	26.3	23.7
82.5°	9.6	9.6	21.9	31.5	28.9	18.4	32.4	38.6	34.2	19.3	17.5
85°	5.3	6.1	10.5	15.8	16.6	12.3	17.5	21.0	21.0	12.3	12.3
87.5°	2.6	2.6	3.5	3.5	4.4	5.3	5.3	6.1	4.4	3.5	3.5
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)