

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: P524089

Luminaire Tested: **IFLD-M-SA4D-927-U-66**

Issue Date: 05/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P524089  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-M-SA4D-927-U-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens  
Light Source: (64) 2700K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

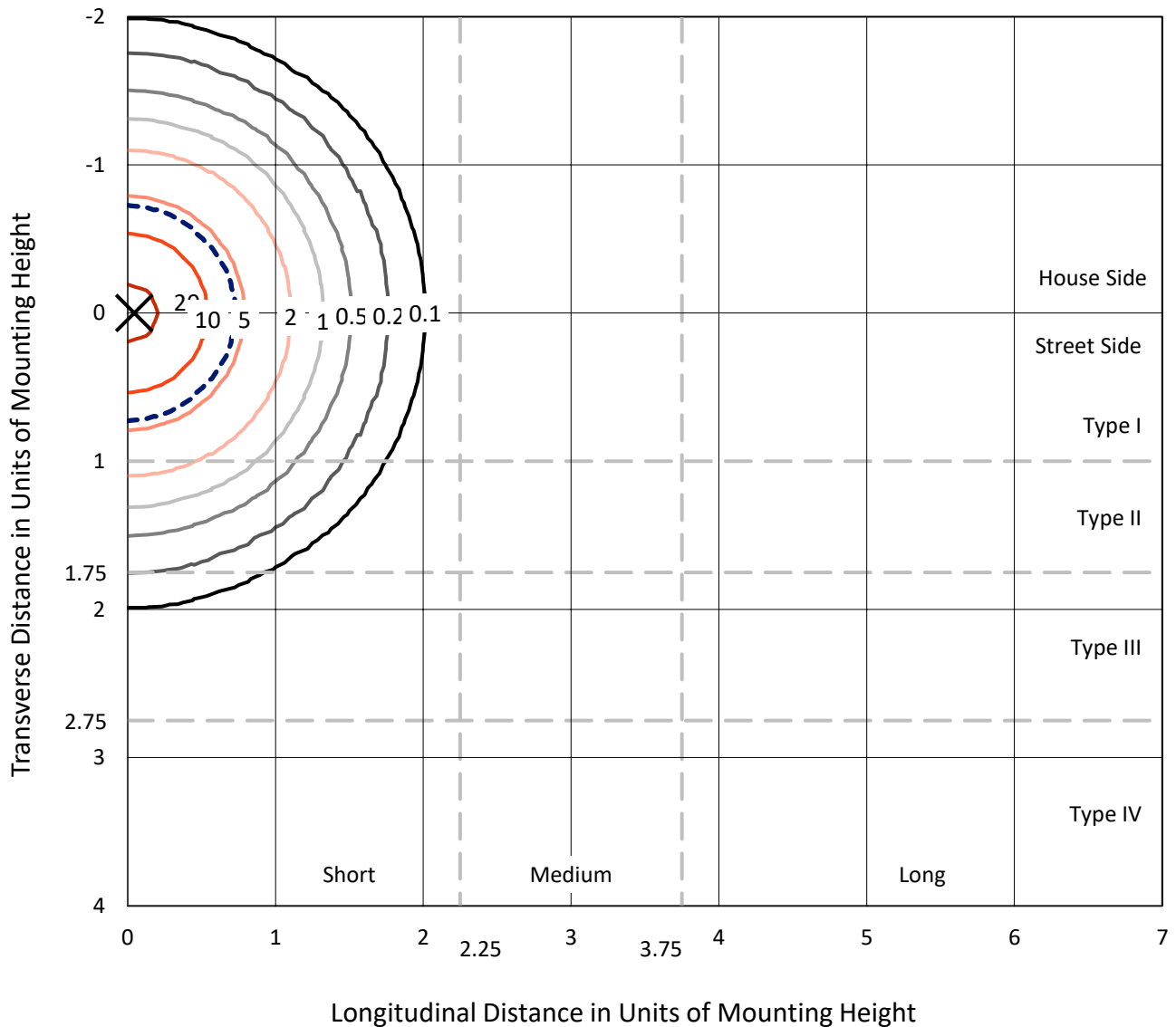
Lumens per Lamp: N/A  
Luminaire Lumens: 20548.9 lumens  
Efficiency: N/A  
Efficacy: 82.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

Input Watts (W): 249.7  
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

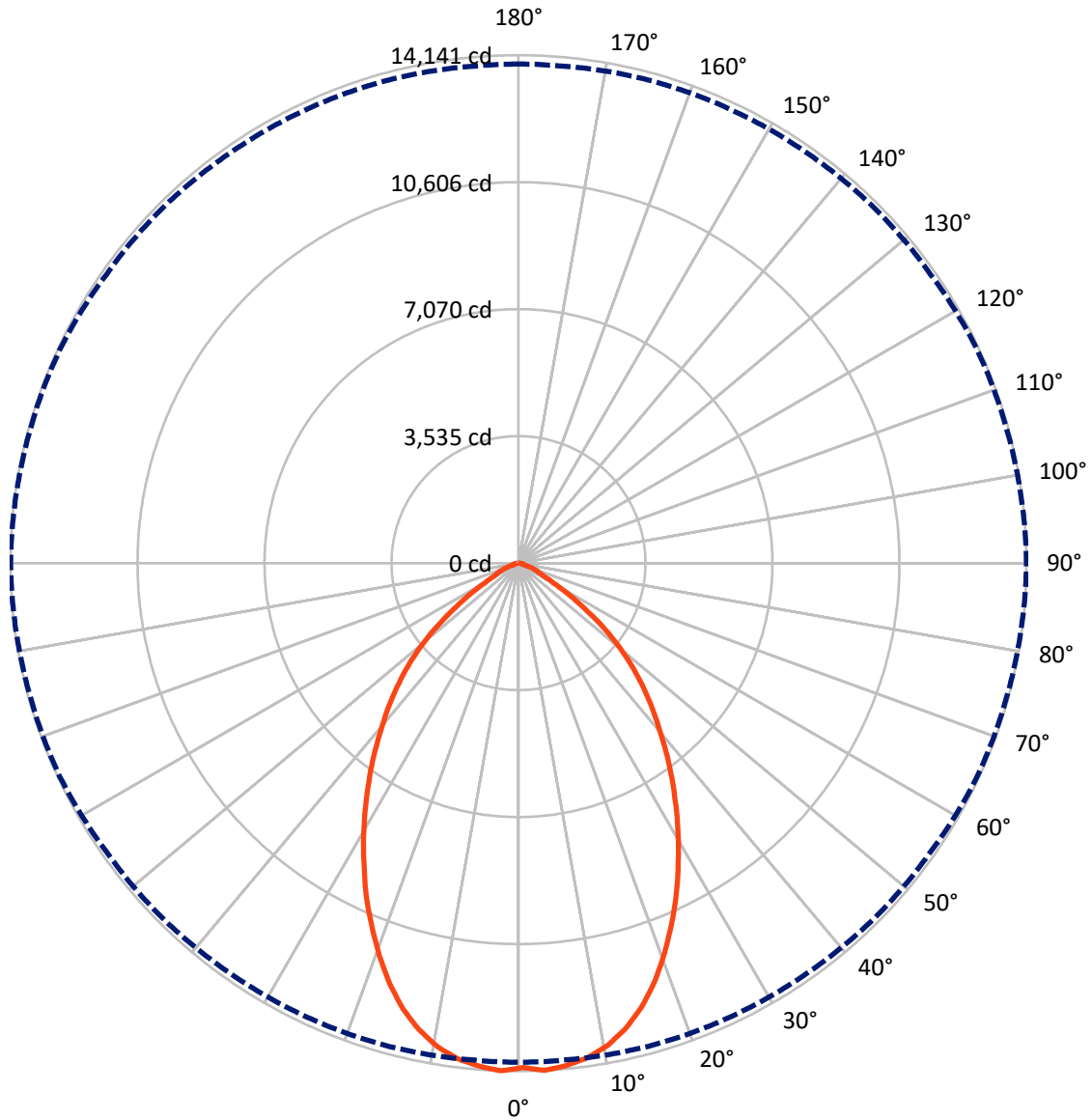
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.5 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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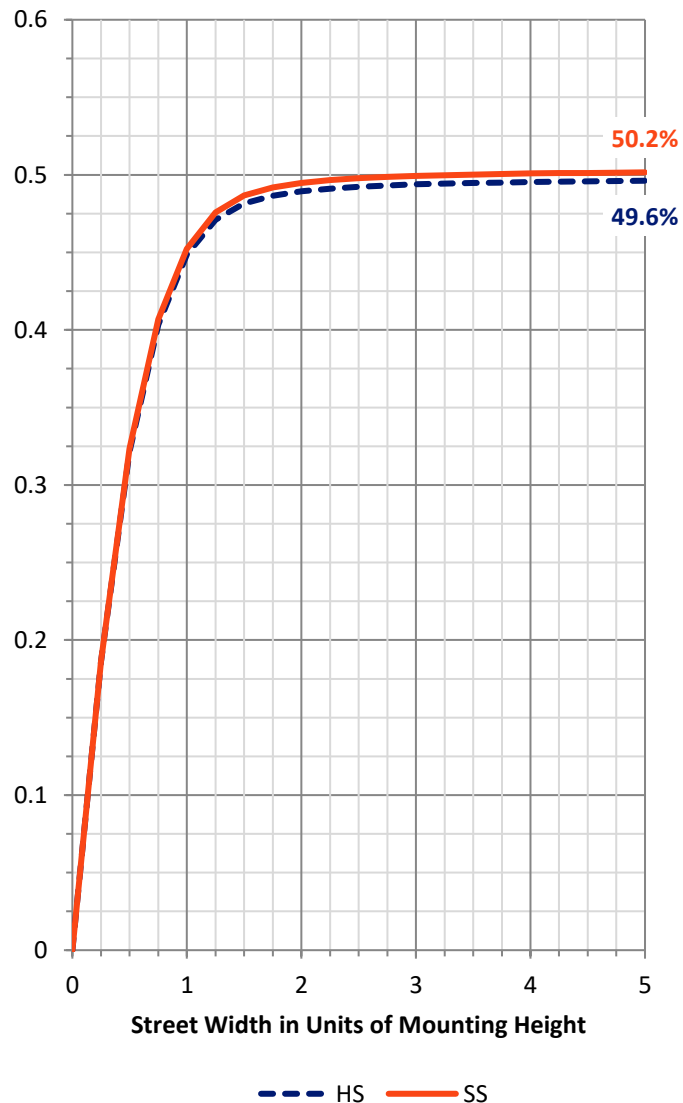
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10274.5	0.0	10274.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10274.5	0.0	10274.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20548.9	0.0	20548.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1318.6	6.4
10°-20°	3543.0	17.2
20°-30°	4583.9	22.3
30°-40°	4520.9	22.0
40°-50°	3657.6	17.8
50°-60°	1991.4	9.7
60°-70°	631.0	3.1
70°-80°	244.1	1.2
80°-90°	58.4	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°	20548.9	100.0
0°-180°	20548.9	100.0

**Coefficient of Utilization**



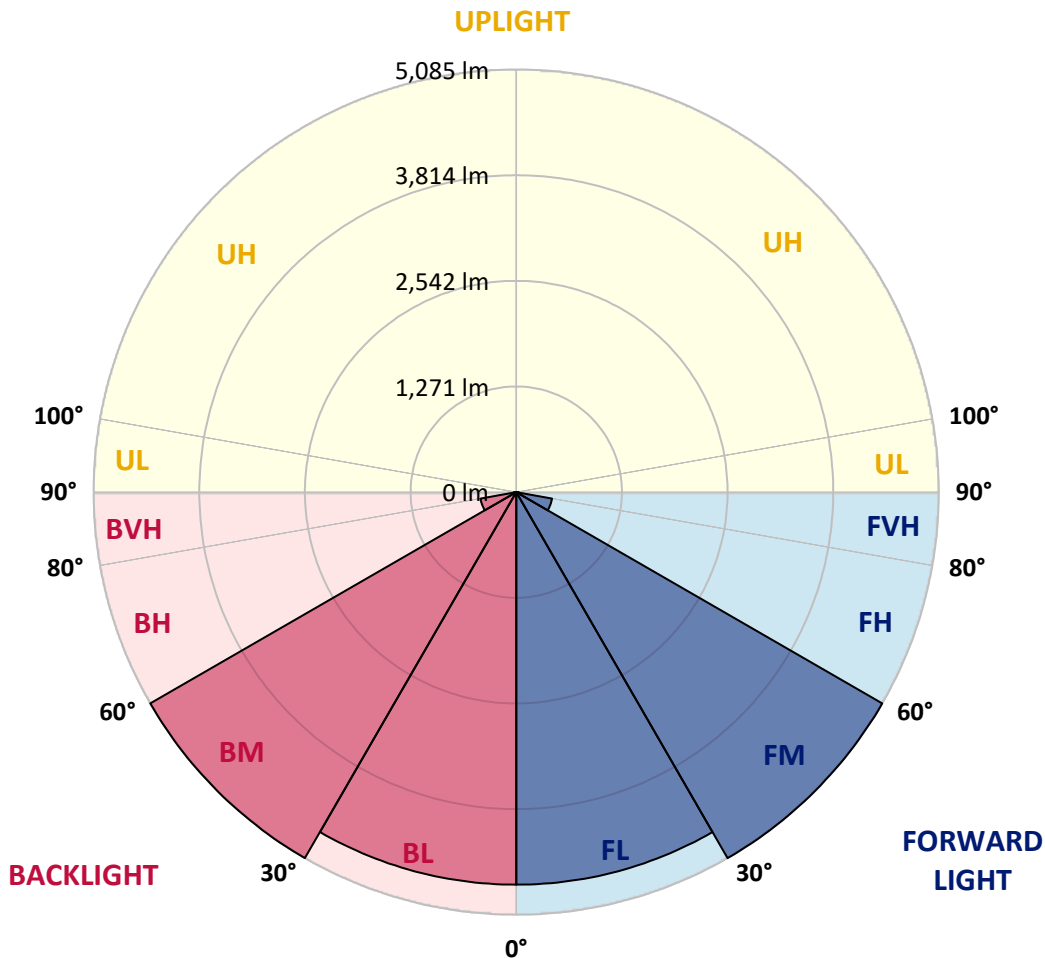
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4722.8	23.0			
FM (30°-60°)	5085.0	24.7			
FH (60°-80°)	437.6	2.1			G0/660
FVH (80°-90°)	29.2	0.1			G1/100
BL (0°-30°)	4722.8	23.0	B4/5000		
BM (30°-60°)	5085.0	24.7	B4/8500		
BH (60°-80°)	437.6	2.1	B1/500		G0/660
BVH (80°-90°)	29.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	14045.7	14045.7	14045.7	14045.7	14045.7	14045.7	14045.7	14045.7	14045.7	14045.7	14045.7
2.5°	13894.3	13891.4	13927.0	13941.8	13959.6	13995.3	14007.1	14084.3	14093.2	14122.9	14140.7
5°	13870.6	13858.7	13894.3	13900.3	13921.0	13927.0	13944.8	13998.2	13992.3	14036.8	14045.7
7.5°	13742.9	13728.1	13757.8	13763.7	13793.4	13784.5	13814.2	13852.8	13852.8	13885.4	13900.3
10°	13457.9	13454.9	13484.6	13487.6	13529.2	13520.3	13567.8	13576.7	13600.4	13624.2	13650.9
12.5°	13116.5	13077.9	13116.5	13101.6	13158.0	13125.4	13190.7	13211.5	13223.4	13264.9	13285.7
15°	12677.1	12629.6	12656.3	12641.5	12677.1	12635.5	12703.8	12745.4	12760.2	12801.8	12822.6
17.5°	12089.3	12050.7	12056.6	12035.8	12059.6	12026.9	12092.2	12157.5	12178.3	12222.9	12252.5
20°	11350.0	11350.0	11353.0	11335.2	11355.9	11323.3	11364.8	11465.8	11486.6	11545.9	11596.4
22.5°	10628.6	10628.6	10637.5	10613.7	10619.7	10604.8	10649.3	10747.3	10780.0	10842.3	10904.7
25°	9936.8	9924.9	9930.9	9910.1	9886.3	9892.3	9945.7	10008.1	10079.3	10159.5	10207.0
27.5°	9277.7	9292.6	9256.9	9242.1	9224.3	9191.6	9254.0	9331.2	9381.6	9447.0	9470.7
30°	8574.1	8603.8	8577.1	8565.2	8520.7	8479.1	8544.4	8621.6	8672.1	8734.4	8761.1
32.5°	7947.7	7938.8	7915.0	7888.3	7843.8	7811.1	7837.8	7926.9	7965.5	8030.8	8039.7
35°	7276.7	7270.8	7255.9	7202.5	7187.6	7149.0	7172.8	7250.0	7279.7	7318.3	7348.0
37.5°	6620.6	6599.8	6593.9	6573.1	6546.4	6537.5	6537.5	6579.0	6608.7	6647.3	6677.0
40°	5970.4	5976.3	5958.5	5940.7	5931.8	5919.9	5922.9	5946.7	5970.4	5988.2	6006.0
42.5°	5382.6	5349.9	5338.0	5320.2	5329.1	5344.0	5311.3	5346.9	5376.6	5376.6	5415.2
45°	4708.6	4723.5	4729.4	4759.1	4759.1	4744.3	4732.4	4750.2	4779.9	4776.9	4815.5
47.5°	4120.8	4103.0	4117.8	4162.4	4201.0	4206.9	4171.3	4180.2	4189.1	4174.2	4209.9
50°	3476.6	3482.5	3479.5	3547.8	3625.0	3598.3	3571.6	3580.5	3577.5	3577.5	3583.4
52.5°	2775.9	2790.7	2772.9	2870.9	2954.0	2933.2	2915.4	2915.4	2930.3	2927.3	2924.3
55°	2137.6	2131.7	2093.1	2140.6	2214.8	2217.7	2191.0	2202.9	2217.7	2232.6	2229.6
57.5°	1591.3	1573.5	1520.1	1523.0	1606.2	1626.9	1603.2	1600.2	1618.0	1624.0	1656.6
60°	1071.8	1068.8	1021.3	1018.3	1051.0	1107.4	1080.7	1080.7	1086.6	1095.5	1104.4
62.5°	733.3	739.2	721.4	718.5	724.4	771.9	768.9	766.0	763.0	774.9	771.9
65°	576.0	578.9	573.0	573.0	576.0	596.7	617.5	620.5	623.5	626.4	623.5
67.5°	463.1	466.1	460.2	466.1	466.1	469.1	498.8	510.6	513.6	513.6	510.6
70°	356.3	368.1	374.1	374.1	374.1	374.1	394.9	409.7	406.7	388.9	371.1
72.5°	178.1	216.7	299.9	302.8	299.9	296.9	308.8	323.6	320.6	225.6	169.2
75°	118.8	127.7	234.5	246.4	243.4	231.6	243.4	261.3	255.3	145.5	139.5
77.5°	68.3	74.2	157.4	181.1	195.9	169.2	193.0	210.8	201.9	118.8	115.8
80°	53.4	50.5	112.8	139.5	133.6	106.9	157.4	169.2	154.4	89.1	80.2
82.5°	32.7	32.7	74.2	106.9	98.0	62.3	109.8	130.6	115.8	65.3	59.4
85°	17.8	20.8	35.6	53.4	56.4	41.6	59.4	71.3	71.3	41.6	41.6
87.5°	8.9	8.9	11.9	11.9	14.8	17.8	17.8	20.8	14.8	11.9	11.9
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)