

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: P524147

Luminaire Tested: **IFLD-S-SA3D-935-U-66**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P524147  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3D-935-U-66  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens  
Light Source: (48) 3500K CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

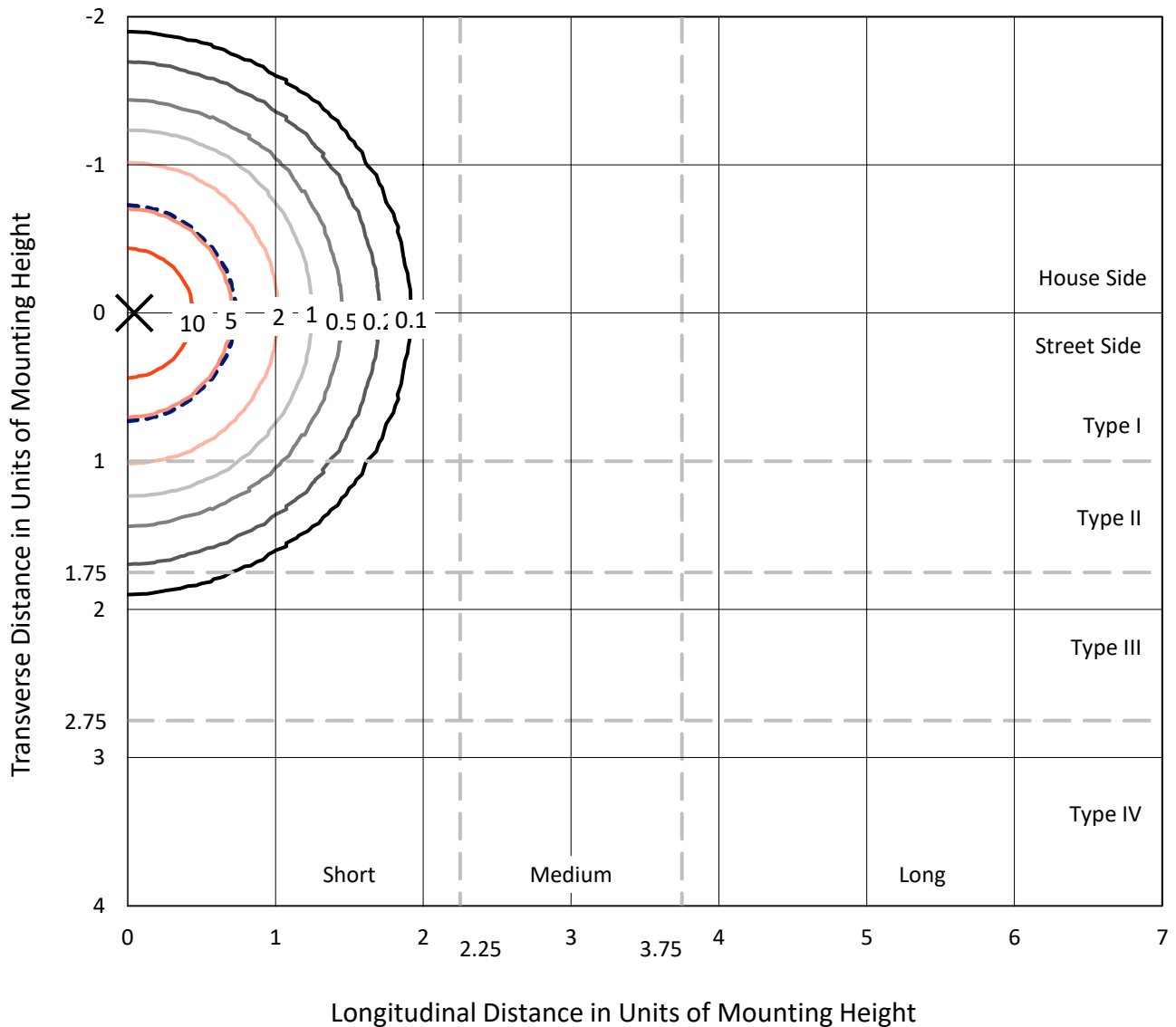
Lumens per Lamp: N/A  
Luminaire Lumens: 16057.2 lumens  
Efficiency: N/A  
Efficacy: 87.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

Input Watts (W): 184.1  
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

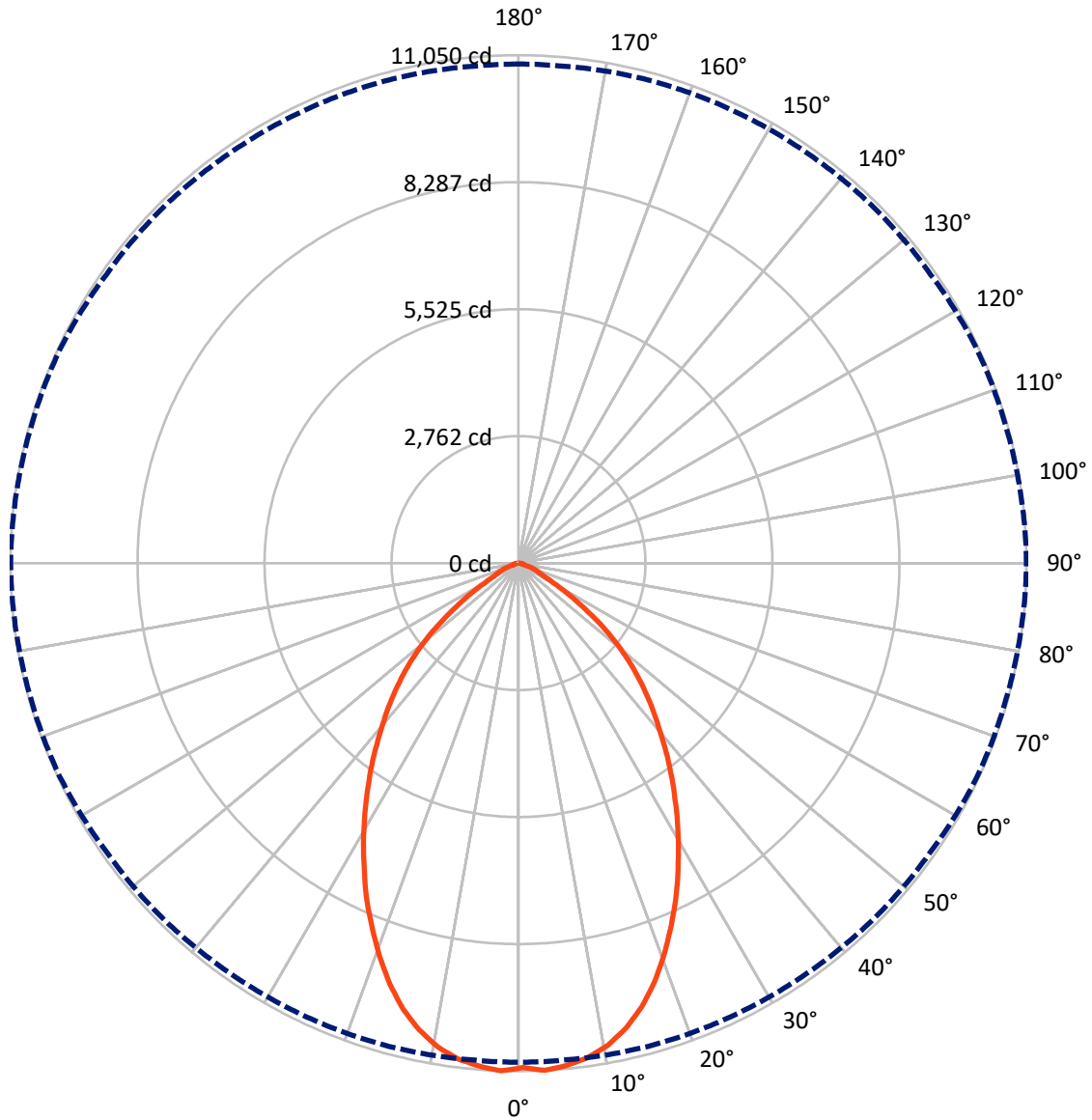
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.6 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	8028.6	0.0	8028.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8028.6	0.0	8028.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16057.2	0.0	16057.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1030.3	6.4
10°-20°	2768.6	17.2
20°-30°	3581.9	22.3
30°-40°	3532.7	22.0
40°-50°	2858.1	17.8
50°-60°	1556.2	9.7
60°-70°	493.0	3.1
70°-80°	190.8	1.2
80°-90°	45.6	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°	16057.2	100.0
0°-180°	16057.2	100.0

**Coefficient of Utilization**



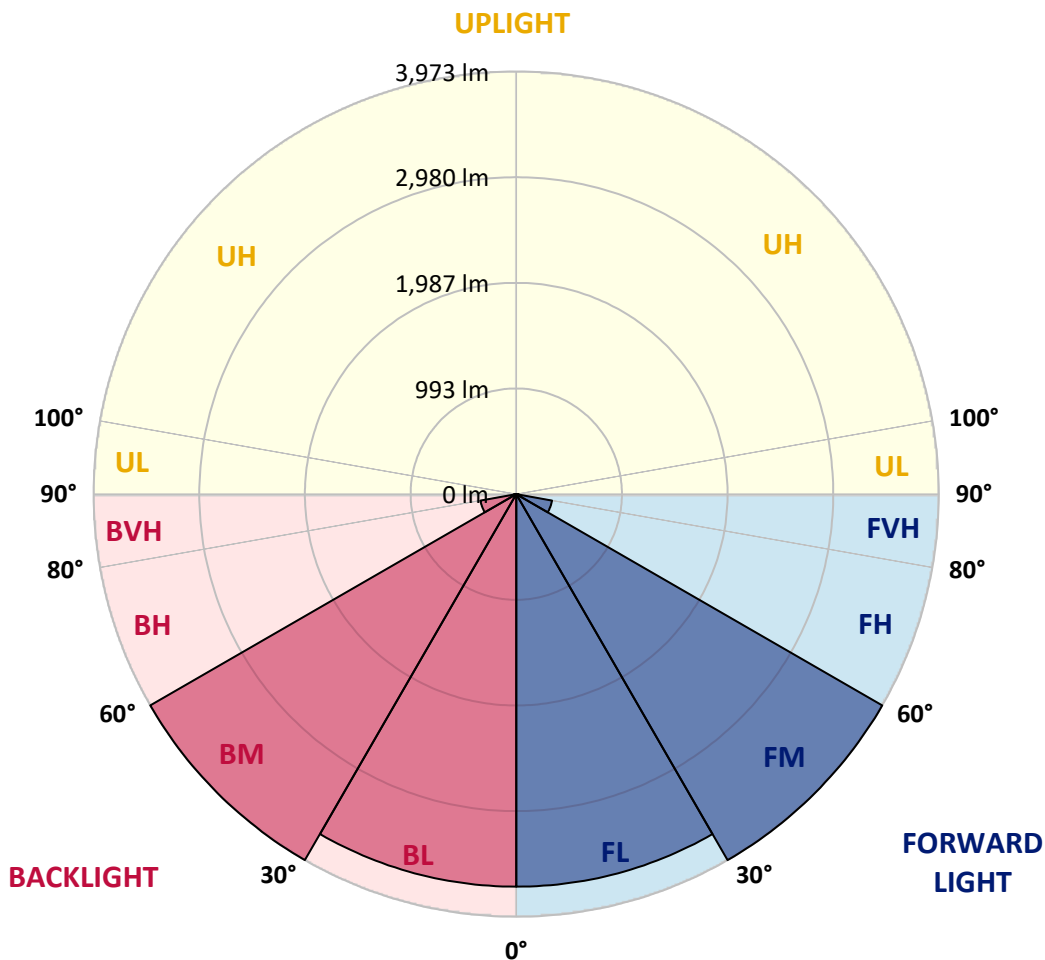
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3690.4	23.0			
FM (30°-60°)	3973.4	24.7			
FH (60°-80°)	341.9	2.1			G0/660
FVH (80°-90°)	22.8	0.1			G1/100
BL (0°-30°)	3690.4	23.0	B4/5000		
BM (30°-60°)	3973.4	24.7	B3/5000		
BH (60°-80°)	341.9	2.1	B1/500		G0/660
BVH (80°-90°)	22.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	10975.5	10975.5	10975.5	10975.5	10975.5	10975.5	10975.5	10975.5	10975.5	10975.5	10975.5
2.5°	10857.2	10854.9	10882.7	10894.3	10908.2	10936.1	10945.3	11005.7	11012.6	11035.8	11049.7
5°	10838.6	10829.4	10857.2	10861.8	10878.1	10882.7	10896.6	10938.4	10933.7	10968.5	10975.5
7.5°	10738.9	10727.3	10750.5	10755.1	10778.3	10771.4	10794.6	10824.7	10824.7	10850.2	10861.8
10°	10516.2	10513.8	10537.0	10539.4	10571.8	10564.9	10602.0	10609.0	10627.5	10646.1	10667.0
12.5°	10249.4	10219.2	10249.4	10237.8	10281.9	10256.3	10307.4	10323.6	10332.9	10365.4	10381.6
15°	9906.0	9868.9	9889.8	9878.2	9906.0	9873.5	9926.9	9959.4	9971.0	10003.5	10019.7
17.5°	9446.7	9416.5	9421.2	9404.9	9423.5	9398.0	9449.0	9500.0	9516.3	9551.1	9574.3
20°	8869.0	8869.0	8871.3	8857.4	8873.7	8848.1	8880.6	8959.5	8975.7	9022.1	9061.6
22.5°	8305.3	8305.3	8312.2	8293.7	8298.3	8286.7	8321.5	8398.1	8423.6	8472.3	8521.0
25°	7764.7	7755.5	7760.1	7743.9	7725.3	7729.9	7771.7	7820.4	7876.1	7938.7	7975.9
27.5°	7249.7	7261.3	7233.5	7221.9	7208.0	7182.4	7231.2	7291.5	7330.9	7382.0	7400.5
30°	6699.9	6723.1	6702.2	6692.9	6658.1	6625.7	6676.7	6737.0	6776.5	6825.2	6846.1
32.5°	6210.4	6203.4	6184.9	6164.0	6129.2	6103.7	6124.6	6194.2	6224.3	6275.4	6282.3
35°	5686.1	5681.5	5669.9	5628.1	5616.5	5586.3	5604.9	5665.2	5688.4	5718.6	5741.8
37.5°	5173.4	5157.2	5152.5	5136.3	5115.4	5108.4	5108.4	5140.9	5164.1	5194.3	5217.5
40°	4665.3	4670.0	4656.1	4642.1	4635.2	4625.9	4628.2	4646.8	4665.3	4679.3	4693.2
42.5°	4206.0	4180.5	4171.2	4157.3	4164.2	4175.8	4150.3	4178.2	4201.4	4201.4	4231.5
45°	3679.4	3691.0	3695.6	3718.8	3718.8	3707.2	3697.9	3711.9	3735.1	3732.7	3762.9
47.5°	3220.0	3206.1	3217.7	3252.5	3282.7	3287.3	3259.5	3266.4	3273.4	3261.8	3289.6
50°	2716.6	2721.3	2718.9	2772.3	2832.6	2811.7	2790.9	2797.8	2795.5	2795.5	2800.1
52.5°	2169.1	2180.7	2166.8	2243.4	2308.3	2292.1	2278.2	2278.2	2289.8	2287.4	2285.1
55°	1670.3	1665.7	1635.5	1672.7	1730.7	1733.0	1712.1	1721.4	1733.0	1744.6	1742.3
57.5°	1243.5	1229.6	1187.8	1190.1	1255.1	1271.3	1252.8	1250.4	1264.4	1269.0	1294.5
60°	837.5	835.2	798.0	795.7	821.2	865.3	844.4	844.4	849.1	856.0	863.0
62.5°	573.0	577.7	563.7	561.4	566.1	603.2	600.9	598.5	596.2	605.5	603.2
65°	450.1	452.4	447.7	447.7	450.1	466.3	482.5	484.9	487.2	489.5	487.2
67.5°	361.9	364.2	359.6	364.2	364.2	366.5	389.7	399.0	401.3	401.3	399.0
70°	278.4	287.7	292.3	292.3	292.3	292.3	308.5	320.1	317.8	303.9	290.0
72.5°	139.2	169.4	234.3	236.6	234.3	232.0	241.3	252.9	250.6	176.3	132.2
75°	92.8	99.8	183.3	192.6	190.2	181.0	190.2	204.2	199.5	113.7	109.0
77.5°	53.4	58.0	123.0	141.5	153.1	132.2	150.8	164.7	157.8	92.8	90.5
80°	41.8	39.4	88.2	109.0	104.4	83.5	123.0	132.2	120.6	69.6	62.6
82.5°	25.5	25.5	58.0	83.5	76.6	48.7	85.8	102.1	90.5	51.0	46.4
85°	13.9	16.2	27.8	41.8	44.1	32.5	46.4	55.7	55.7	32.5	32.5
87.5°	7.0	7.0	9.3	9.3	11.6	13.9	13.9	16.2	11.6	9.3	9.3
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)