

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: P524144

Luminaire Tested: **IFLD-S-SA3A-935-U-66**

Issue Date: 05/27/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P524144  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 05/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-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**

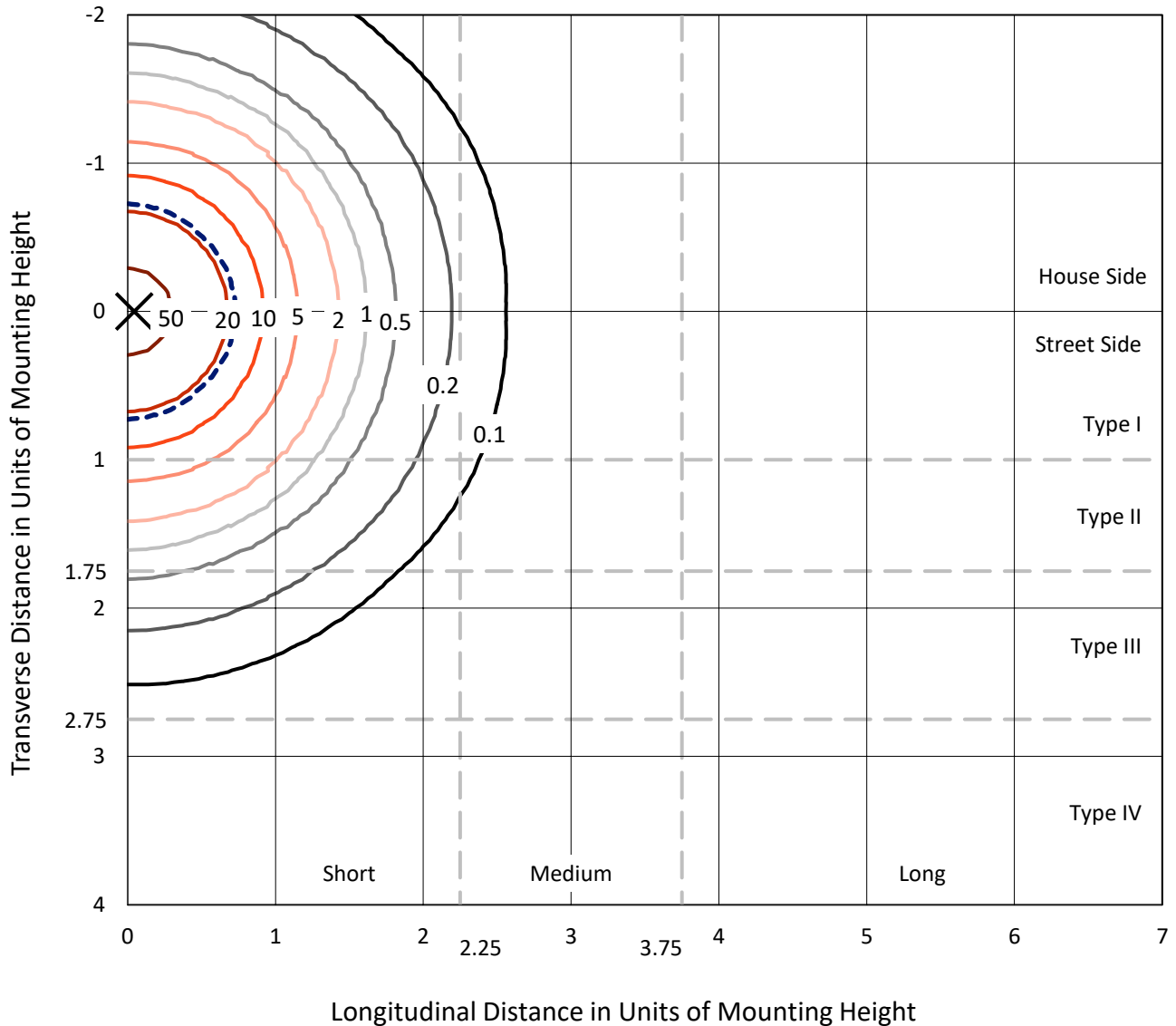
Lumens per Lamp: N/A  
Luminaire Lumens: 9478.8 lumens  
Efficiency: N/A  
Efficacy: 100.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1

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

REPORT NUMBER: P524144  
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### Iso-Footcandle Lines of Horizontal Illumination

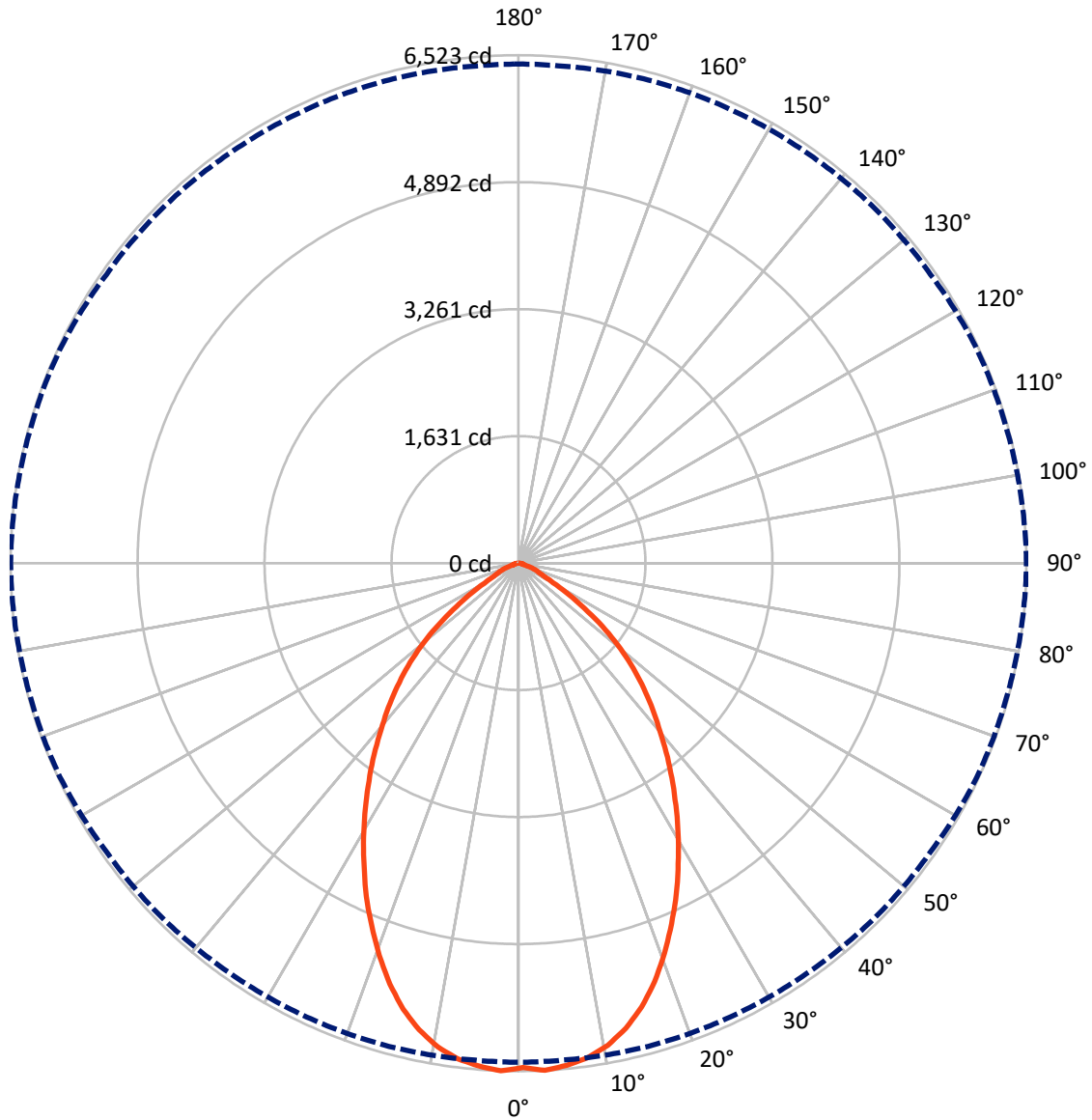
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 64.8 fc  
 Type V - Short - N/A

REPORT NUMBER: P524144  
CATALOG NUMBER: IFLD-S-SA3A-935-U-66

### Luminous Intensity Polar Plot



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

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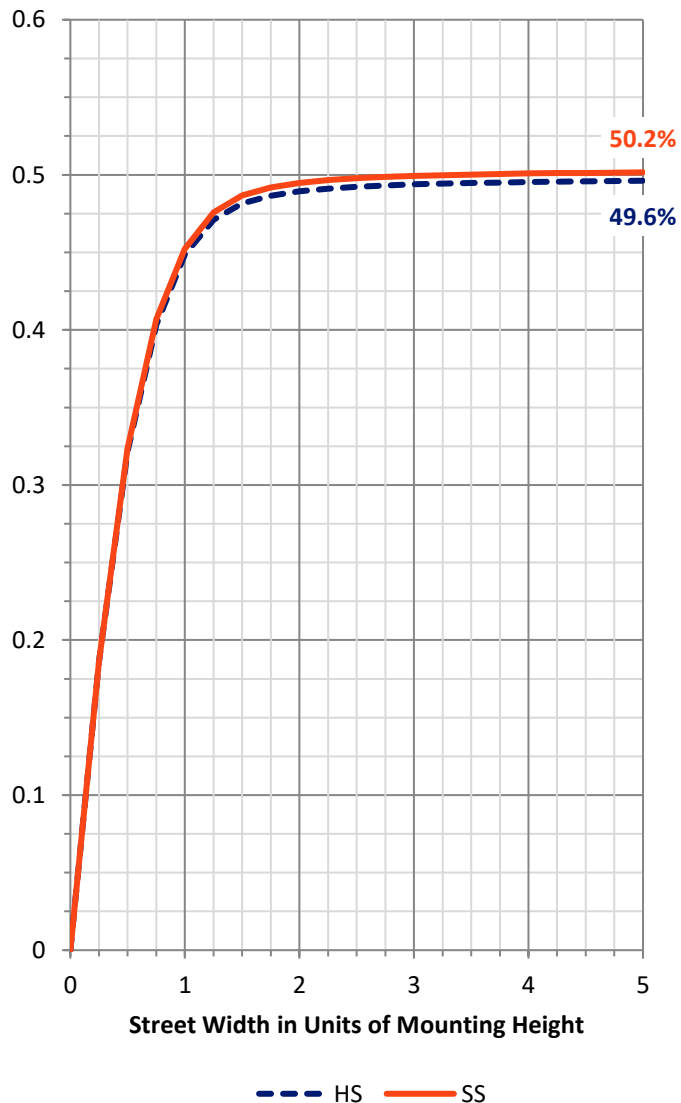
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4739.4	0.0	4739.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4739.4	0.0	4739.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	9478.8	0.0	9478.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	608.2	6.4
10°-20°	1634.3	17.2
20°-30°	2114.5	22.3
30°-40°	2085.4	22.0
40°-50°	1687.2	17.8
50°-60°	918.6	9.7
60°-70°	291.1	3.1
70°-80°	112.6	1.2
80°-90°	26.9	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°	9478.8	100.0
0°-180°	9478.8	100.0

**Coefficient of Utilization**



REPORT NUMBER: P524144

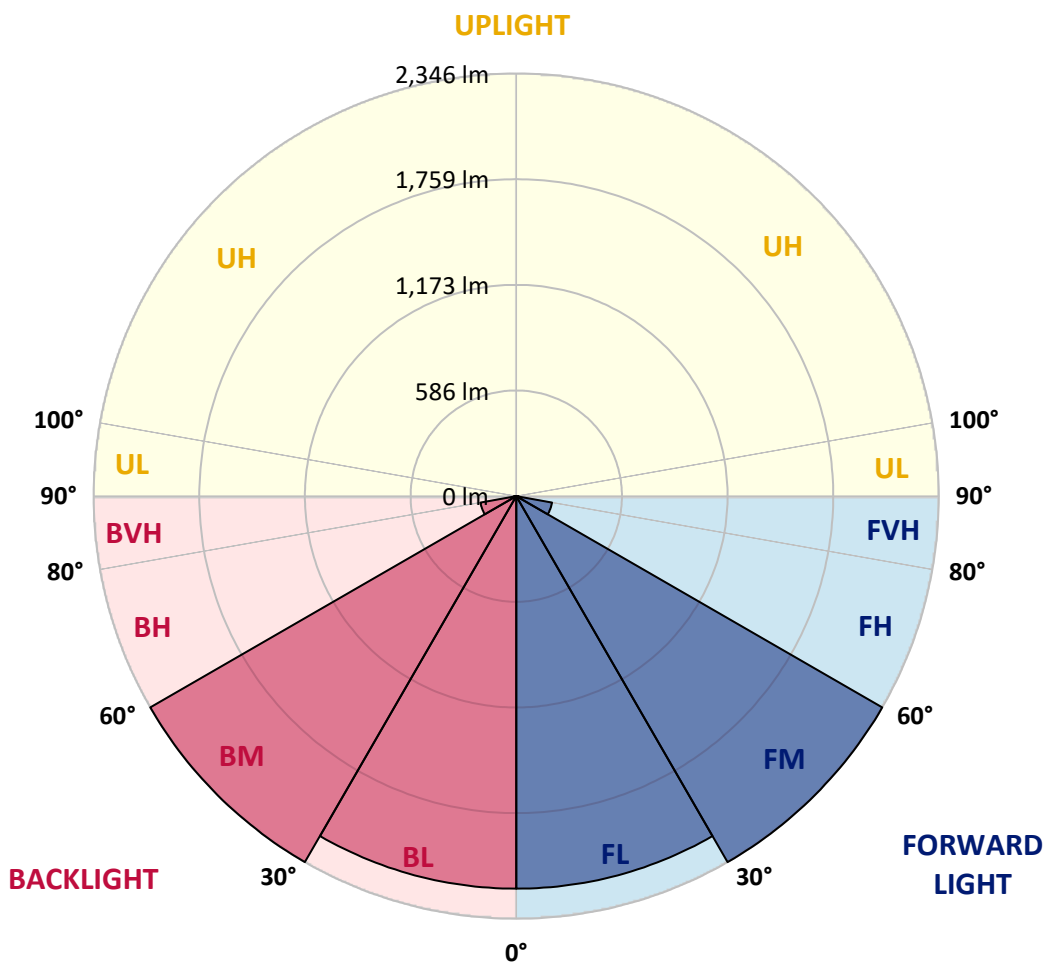
CATALOG NUMBER: IFLD-S-SA3A-935-U-66

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2178.5	23.0			
FM (30°-60°)	2345.6	24.7			
FH (60°-80°)	201.8	2.1			G0/660
FVH (80°-90°)	13.5	0.1			G1/100
BL (0°-30°)	2178.5	23.0	B3/2500		
BM (30°-60°)	2345.6	24.7	B2/2500		
BH (60°-80°)	201.8	2.1	B1/500		G0/660
BVH (80°-90°)	13.5	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°	6479.0	6479.0	6479.0	6479.0	6479.0	6479.0	6479.0	6479.0	6479.0	6479.0	6479.0
2.5°	6409.2	6407.8	6424.2	6431.1	6439.3	6455.7	6461.2	6496.8	6500.9	6514.6	6522.9
5°	6398.2	6392.8	6409.2	6411.9	6421.5	6424.2	6432.5	6457.1	6454.4	6474.9	6479.0
7.5°	6339.3	6332.5	6346.2	6348.9	6362.6	6358.5	6372.2	6390.0	6390.0	6405.1	6411.9
10°	6207.9	6206.5	6220.2	6221.6	6240.7	6236.6	6258.5	6262.6	6273.6	6284.6	6296.9
12.5°	6050.4	6032.6	6050.4	6043.5	6069.6	6054.5	6084.6	6094.2	6099.7	6118.9	6128.4
15°	5847.7	5825.8	5838.1	5831.3	5847.7	5828.5	5860.0	5879.2	5886.0	5905.2	5914.8
17.5°	5576.5	5558.7	5561.5	5551.9	5562.8	5547.8	5577.9	5608.0	5617.6	5638.2	5651.9
20°	5235.5	5235.5	5236.9	5228.7	5238.3	5223.2	5242.4	5288.9	5298.5	5325.9	5349.2
22.5°	4902.8	4902.8	4906.9	4895.9	4898.6	4891.8	4912.3	4957.5	4972.6	5001.4	5030.1
25°	4583.7	4578.2	4580.9	4571.3	4560.4	4563.1	4587.8	4616.5	4649.4	4686.4	4708.3
27.5°	4279.6	4286.5	4270.1	4263.2	4255.0	4239.9	4268.7	4304.3	4327.6	4357.7	4368.7
30°	3955.1	3968.8	3956.4	3951.0	3930.4	3911.2	3941.4	3977.0	4000.3	4029.0	4041.3
32.5°	3666.1	3662.0	3651.0	3638.7	3618.2	3603.1	3615.4	3656.5	3674.3	3704.5	3708.6
35°	3356.6	3353.9	3347.0	3322.4	3315.5	3297.7	3308.7	3344.3	3358.0	3375.8	3389.5
37.5°	3053.9	3044.4	3041.6	3032.0	3019.7	3015.6	3015.6	3034.8	3048.5	3066.3	3080.0
40°	2754.0	2756.8	2748.6	2740.3	2736.2	2730.8	2732.1	2743.1	2754.0	2762.2	2770.5
42.5°	2482.9	2467.8	2462.3	2454.1	2458.2	2465.1	2450.0	2466.4	2480.1	2480.1	2497.9
45°	2172.0	2178.8	2181.6	2195.3	2195.3	2188.4	2183.0	2191.2	2204.9	2203.5	2221.3
47.5°	1900.8	1892.6	1899.5	1920.0	1937.8	1940.6	1924.1	1928.2	1932.3	1925.5	1941.9
50°	1603.7	1606.4	1605.0	1636.5	1672.1	1659.8	1647.5	1651.6	1650.2	1650.2	1653.0
52.5°	1280.5	1287.3	1279.1	1324.3	1362.6	1353.0	1344.8	1344.8	1351.7	1350.3	1348.9
55°	986.0	983.3	965.5	987.4	1021.6	1023.0	1010.7	1016.2	1023.0	1029.9	1028.5
57.5°	734.0	725.8	701.2	702.5	740.9	750.5	739.5	738.2	746.4	749.1	764.2
60°	494.4	493.0	471.1	469.7	484.8	510.8	498.5	498.5	501.2	505.3	509.4
62.5°	338.3	341.0	332.8	331.4	334.2	356.1	354.7	353.3	352.0	357.4	356.1
65°	265.7	267.0	264.3	264.3	265.7	275.3	284.9	286.2	287.6	289.0	287.6
67.5°	213.6	215.0	212.3	215.0	215.0	216.4	230.1	235.6	236.9	236.9	235.6
70°	164.3	169.8	172.6	172.6	172.6	172.6	182.1	189.0	187.6	179.4	171.2
72.5°	82.2	100.0	138.3	139.7	138.3	136.9	142.4	149.3	147.9	104.1	78.1
75°	54.8	58.9	108.2	113.7	112.3	106.8	112.3	120.5	117.8	67.1	64.4
77.5°	31.5	34.2	72.6	83.5	90.4	78.1	89.0	97.2	93.1	54.8	53.4
80°	24.7	23.3	52.0	64.4	61.6	49.3	72.6	78.1	71.2	41.1	37.0
82.5°	15.1	15.1	34.2	49.3	45.2	28.8	50.7	60.3	53.4	30.1	27.4
85°	8.2	9.6	16.4	24.7	26.0	19.2	27.4	32.9	32.9	19.2	19.2
87.5°	4.1	4.1	5.5	5.5	6.8	8.2	8.2	9.6	6.8	5.5	5.5
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)