

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: P524135

Luminaire Tested: **IFLD-L-SA8A-930-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524135
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-930-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

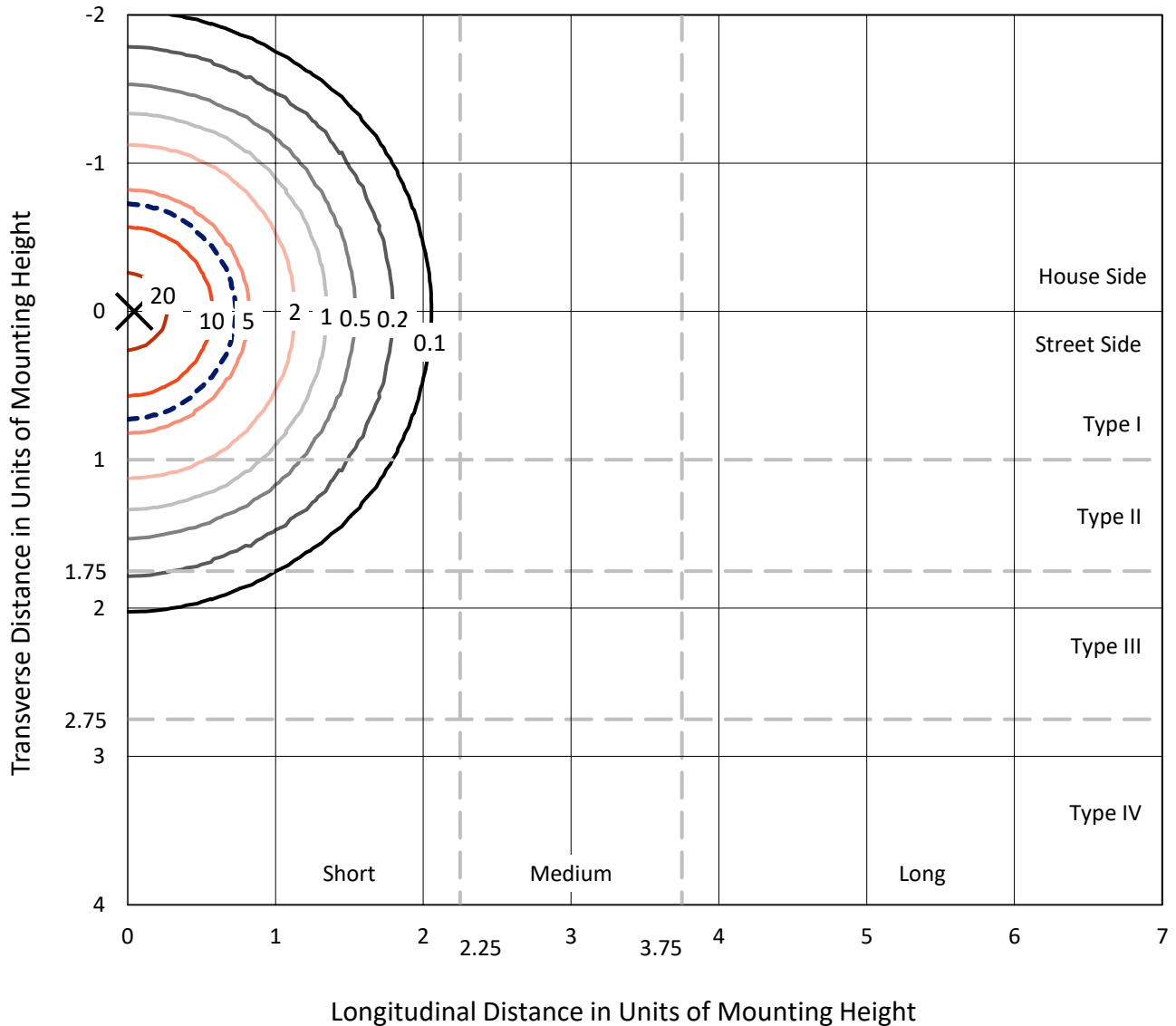
Lumens per Lamp: N/A
Luminaire Lumens: 22376.4 lumens
Efficiency: N/A
Efficacy: 90.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 247.8
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

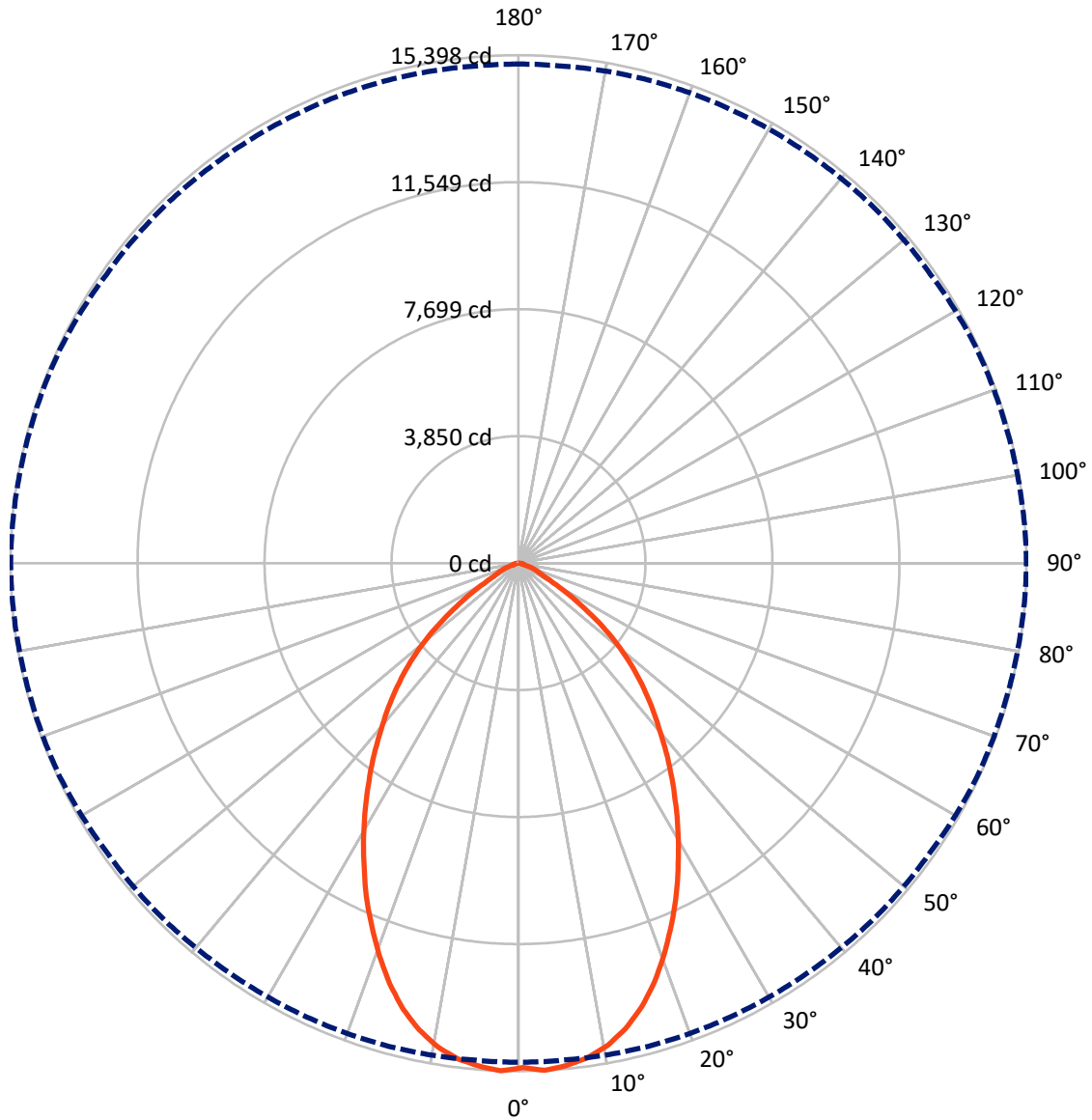
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 24.5 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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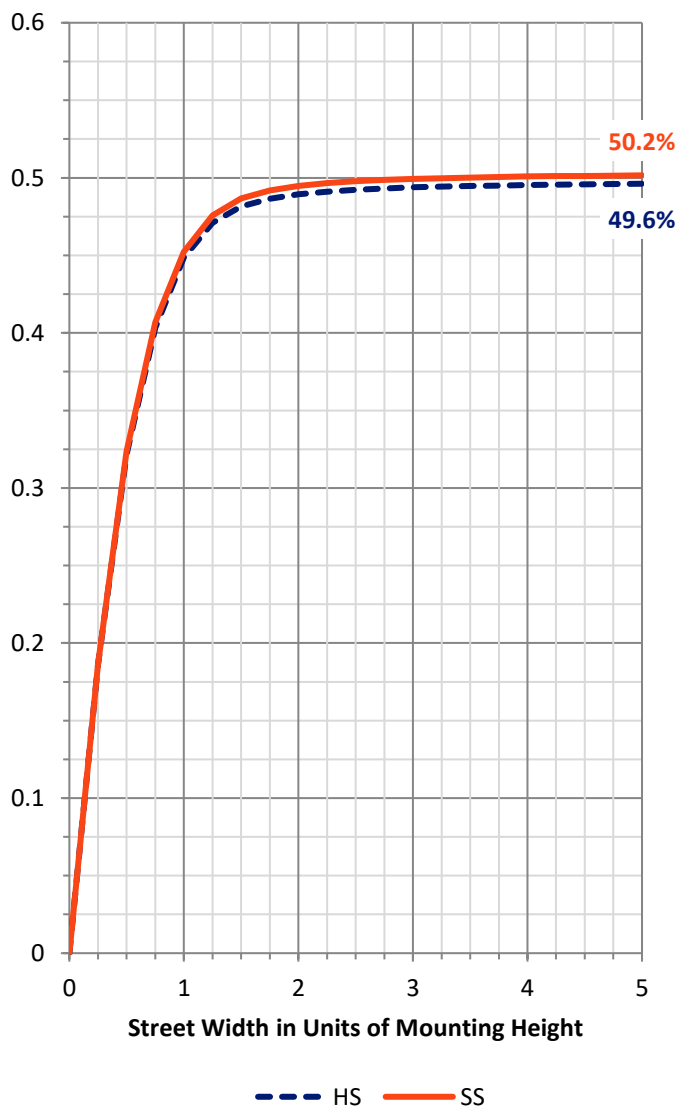
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11188.2	0.0	11188.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11188.2	0.0	11188.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	22376.4	0.0	22376.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1435.8	6.4
10°-20°	3858.1	17.2
20°-30°	4991.6	22.3
30°-40°	4922.9	22.0
40°-50°	3982.9	17.8
50°-60°	2168.6	9.7
60°-70°	687.1	3.1
70°-80°	265.8	1.2
80°-90°	63.5	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°	22376.4	100.0
0°-180°	22376.4	100.0

Coefficient of Utilization



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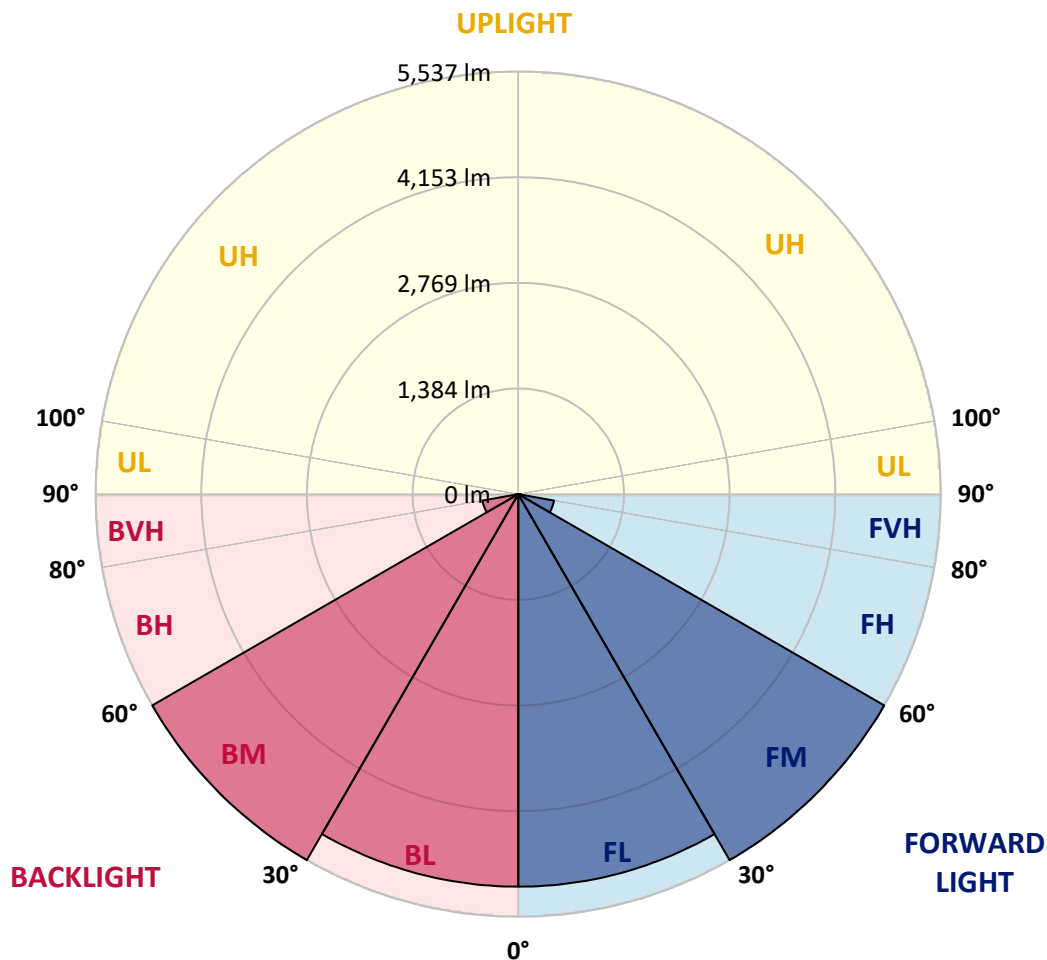
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5142.8	23.0			
FM (30°-60°)	5537.2	24.7			
FH (60°-80°)	476.5	2.1			G0/660
FVH (80°-90°)	31.8	0.1			G1/100
BL (0°-30°)	5142.8	23.0	B5		
BM (30°-60°)	5537.2	24.7	B4/8500		
BH (60°-80°)	476.5	2.1	B1/500		G0/660
BVH (80°-90°)	31.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	15294.9	15294.9	15294.9	15294.9	15294.9	15294.9	15294.9	15294.9	15294.9	15294.9	15294.9
2.5°	15130.0	15126.8	15165.6	15181.7	15201.1	15239.9	15252.9	15336.9	15346.6	15379.0	15398.3
5°	15104.2	15091.2	15130.0	15136.5	15159.1	15165.6	15185.0	15243.2	15236.7	15285.2	15294.9
7.5°	14965.1	14949.0	14981.3	14987.8	15020.1	15010.4	15042.7	15084.8	15084.8	15120.3	15136.5
10°	14654.8	14651.5	14683.9	14687.1	14732.4	14722.7	14774.4	14784.1	14810.0	14835.8	14864.9
12.5°	14283.0	14241.0	14283.0	14266.8	14328.3	14292.7	14363.8	14386.4	14399.4	14444.6	14467.3
15°	13804.5	13752.8	13781.9	13765.7	13804.5	13759.3	13833.6	13878.9	13895.0	13940.3	13962.9
17.5°	13164.4	13122.4	13128.8	13106.2	13132.1	13096.5	13167.6	13238.8	13261.4	13309.9	13342.2
20°	12359.4	12359.4	12362.6	12343.2	12365.9	12330.3	12375.6	12485.5	12508.1	12572.8	12627.7
22.5°	11573.8	11573.8	11583.5	11557.7	11564.1	11548.0	11596.4	11703.1	11738.7	11806.6	11874.5
25°	10820.5	10807.6	10814.1	10791.5	10765.6	10772.1	10830.2	10898.1	10975.7	11063.0	11114.7
27.5°	10102.8	10119.0	10080.2	10064.0	10044.7	10009.1	10077.0	10161.0	10216.0	10287.1	10313.0
30°	9336.6	9369.0	9339.9	9326.9	9278.5	9233.2	9304.3	9388.4	9443.3	9511.2	9540.3
32.5°	8654.5	8644.8	8618.9	8589.8	8541.3	8505.8	8534.9	8631.9	8673.9	8745.0	8754.7
35°	7923.9	7917.4	7901.2	7843.0	7826.9	7784.8	7810.7	7894.8	7927.1	7969.1	8001.5
37.5°	7209.4	7186.8	7180.3	7157.7	7128.6	7118.9	7118.9	7164.1	7196.5	7238.5	7270.8
40°	6501.4	6507.8	6488.4	6469.1	6459.4	6446.4	6449.7	6475.5	6501.4	6520.8	6540.2
42.5°	5861.3	5825.7	5812.8	5793.4	5803.1	5819.2	5783.7	5822.5	5854.8	5854.8	5896.8
45°	5127.4	5143.6	5150.0	5182.4	5182.4	5166.2	5153.3	5172.7	5205.0	5201.8	5243.8
47.5°	4487.3	4467.9	4484.0	4532.5	4574.6	4581.0	4542.2	4551.9	4561.6	4545.5	4584.3
50°	3785.7	3792.2	3789.0	3863.3	3947.4	3918.3	3889.2	3898.9	3895.7	3895.7	3902.1
52.5°	3022.8	3038.9	3019.5	3126.2	3216.7	3194.1	3174.7	3174.7	3190.9	3187.6	3184.4
55°	2327.7	2321.2	2279.2	2330.9	2411.8	2415.0	2385.9	2398.8	2415.0	2431.1	2427.9
57.5°	1732.8	1713.4	1655.2	1658.5	1749.0	1771.6	1745.8	1742.5	1761.9	1768.4	1804.0
60°	1167.1	1163.8	1112.1	1108.9	1144.5	1205.9	1176.8	1176.8	1183.2	1192.9	1202.6
62.5°	798.5	805.0	785.6	782.4	788.8	840.6	837.3	834.1	830.9	843.8	840.6
65°	627.2	630.4	624.0	624.0	627.2	649.8	672.4	675.7	678.9	682.1	678.9
67.5°	504.3	507.6	501.1	507.6	507.6	510.8	543.1	556.1	559.3	559.3	556.1
70°	387.9	400.9	407.3	407.3	407.3	407.3	430.0	446.1	442.9	423.5	404.1
72.5°	194.0	236.0	326.5	329.8	326.5	323.3	336.2	352.4	349.2	245.7	184.3
75°	129.3	139.0	255.4	268.3	265.1	252.2	265.1	284.5	278.0	158.4	151.9
77.5°	74.4	80.8	171.3	197.2	213.4	184.3	210.1	229.5	219.8	129.3	126.1
80°	58.2	55.0	122.9	151.9	145.5	116.4	171.3	184.3	168.1	97.0	87.3
82.5°	35.6	35.6	80.8	116.4	106.7	67.9	119.6	142.2	126.1	71.1	64.7
85°	19.4	22.6	38.8	58.2	61.4	45.3	64.7	77.6	77.6	45.3	45.3
87.5°	9.7	9.7	12.9	12.9	16.2	19.4	19.4	22.6	16.2	12.9	12.9
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)