

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: P524102

Luminaire Tested: **IFLD-S-SA2C-930-U-66**

Issue Date: 05/27/2021



Test Information

Test Method: LM-79-08
Report Number: P524102
Test Lab: INNOVATION CENTER(G2)
Issue Date: 05/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA2C-930-U-66
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 66 distribution lens
Light Source: (32) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

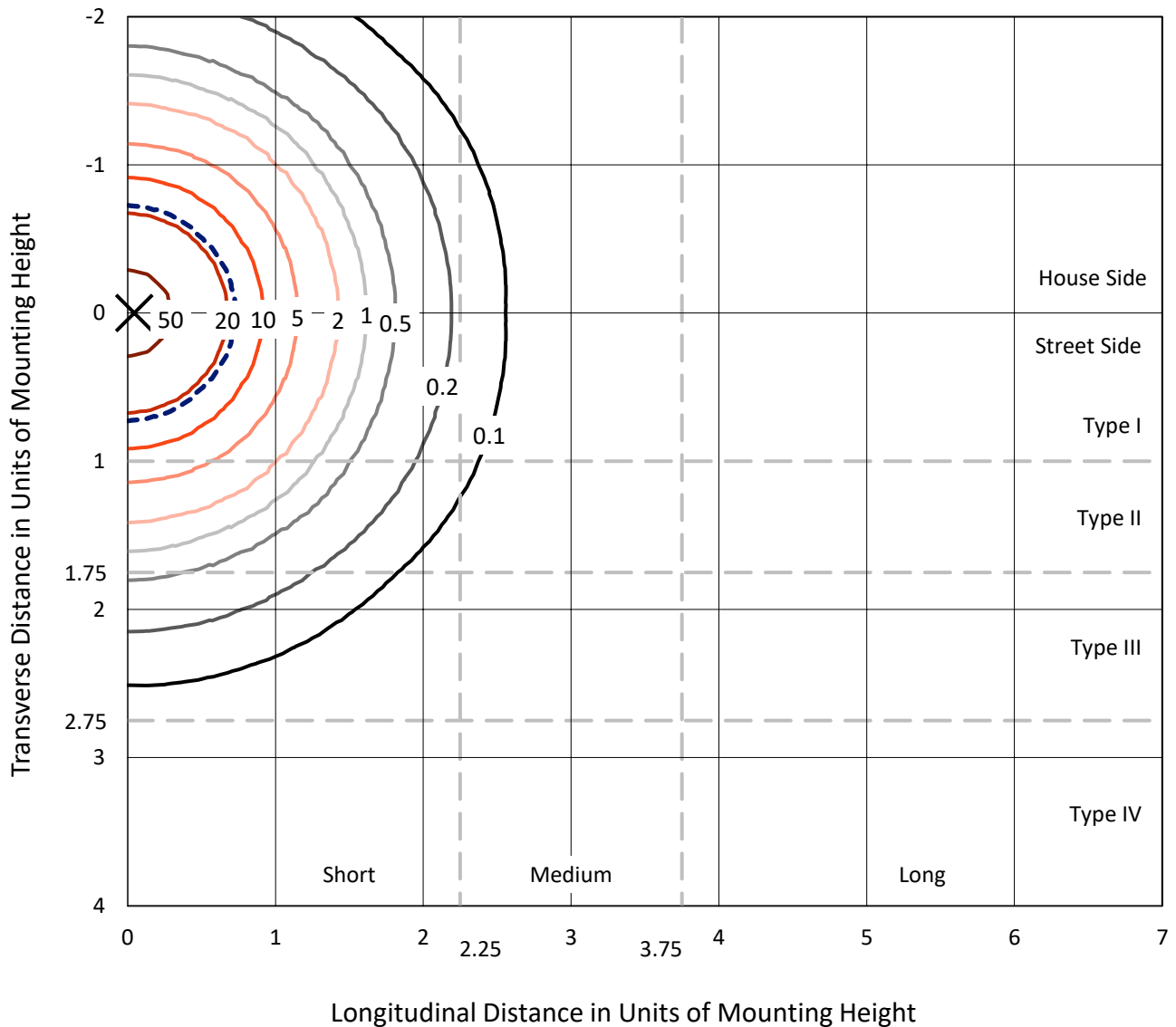
Lumens per Lamp: N/A
Luminaire Lumens: 9438.4 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 108.2
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

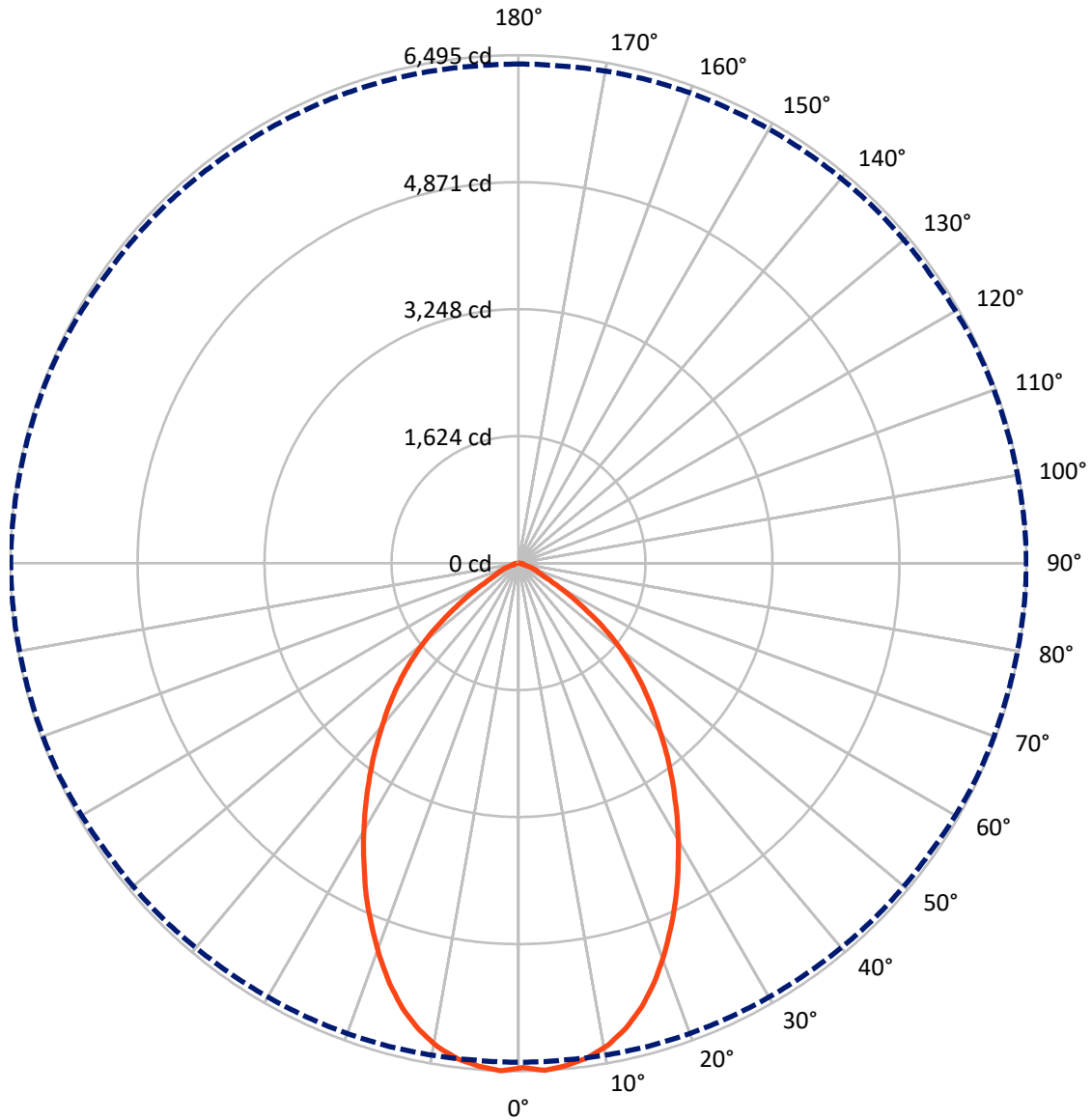
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 64.5 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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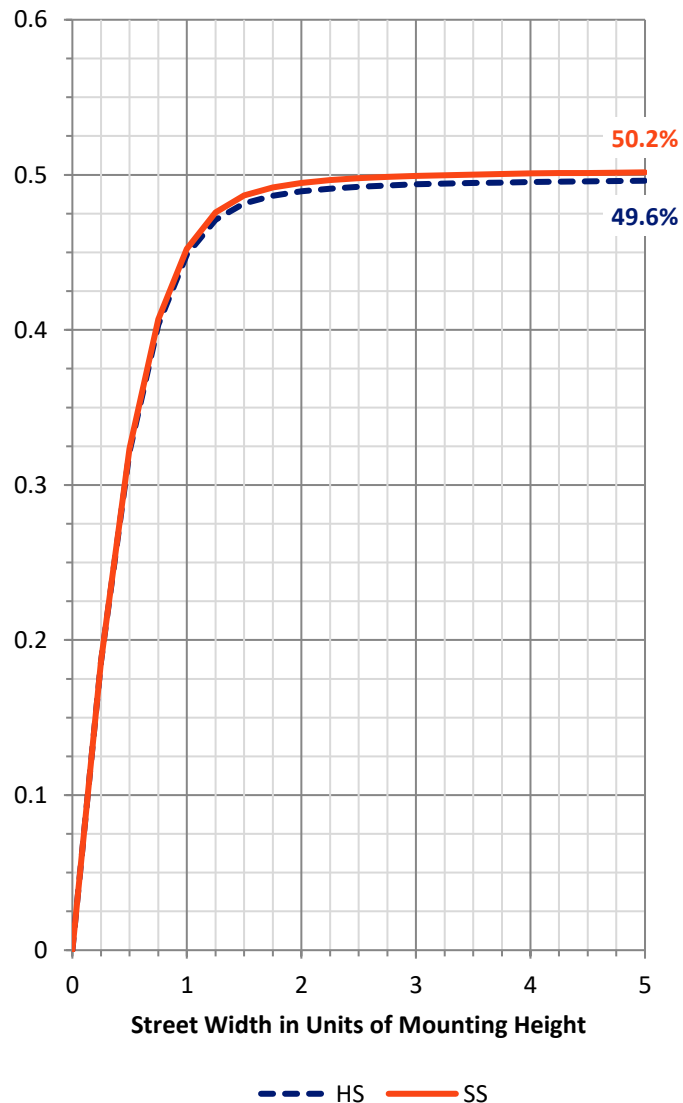
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4719.2	0.0	4719.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4719.2	0.0	4719.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	9438.4	0.0	9438.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	605.6	6.4
10°-20°	1627.4	17.2
20°-30°	2105.5	22.3
30°-40°	2076.5	22.0
40°-50°	1680.0	17.8
50°-60°	914.7	9.7
60°-70°	289.8	3.1
70°-80°	112.1	1.2
80°-90°	26.8	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°	9438.4	100.0
0°-180°	9438.4	100.0

Coefficient of Utilization



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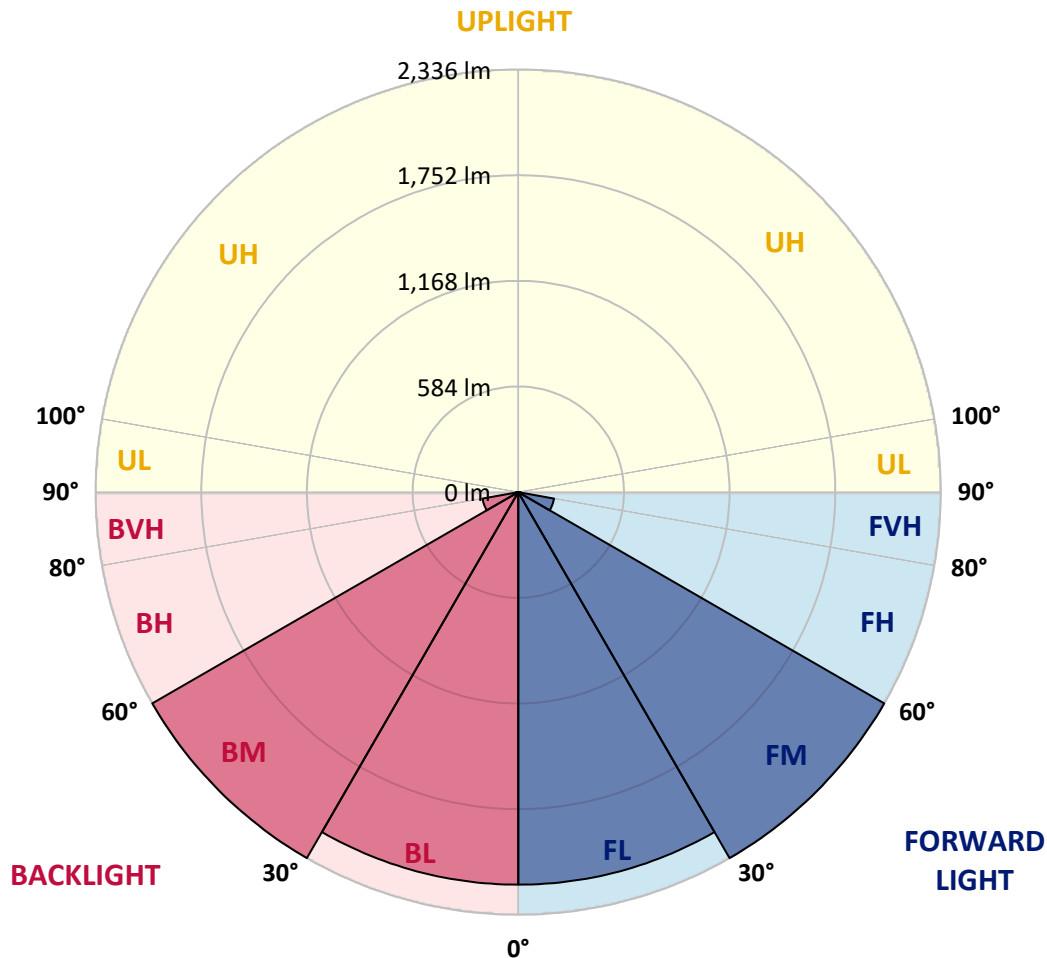
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2169.2	23.0			
FM (30°-60°)	2335.6	24.7			
FH (60°-80°)	201.0	2.1			G0/660
FVH (80°-90°)	13.4	0.1			G1/100
BL (0°-30°)	2169.2	23.0	B3/2500		
BM (30°-60°)	2335.6	24.7	B2/2500		
BH (60°-80°)	201.0	2.1	B1/500		G0/660
BVH (80°-90°)	13.4	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°	6451.4	6451.4	6451.4	6451.4	6451.4	6451.4	6451.4	6451.4	6451.4	6451.4	6451.4
2.5°	6381.9	6380.5	6396.9	6403.7	6411.9	6428.2	6433.7	6469.1	6473.2	6486.9	6495.0
5°	6371.0	6365.5	6381.9	6384.6	6394.1	6396.9	6405.0	6429.6	6426.9	6447.3	6451.4
7.5°	6312.3	6305.5	6319.1	6321.9	6335.5	6331.4	6345.0	6362.8	6362.8	6377.8	6384.6
10°	6181.4	6180.0	6193.7	6195.0	6214.1	6210.0	6231.9	6235.9	6246.9	6257.8	6270.0
12.5°	6024.6	6006.9	6024.6	6017.8	6043.7	6028.7	6058.7	6068.2	6073.7	6092.8	6102.3
15°	5822.8	5800.9	5813.2	5806.4	5822.8	5803.7	5835.0	5854.1	5860.9	5880.0	5889.6
17.5°	5552.8	5535.0	5537.8	5528.2	5539.1	5524.1	5554.1	5584.1	5593.7	5614.1	5627.8
20°	5213.2	5213.2	5214.6	5206.4	5215.9	5200.9	5220.0	5266.4	5275.9	5303.2	5326.4
22.5°	4881.8	4881.8	4885.9	4875.0	4877.8	4870.9	4891.4	4936.4	4951.4	4980.0	5008.7
25°	4564.1	4558.7	4561.4	4551.8	4540.9	4543.7	4568.2	4596.8	4629.6	4666.4	4688.2
27.5°	4261.4	4268.2	4251.8	4245.0	4236.8	4221.8	4250.5	4285.9	4309.1	4339.1	4350.0
30°	3938.2	3951.8	3939.6	3934.1	3913.7	3894.6	3924.6	3960.0	3983.2	4011.8	4024.1
32.5°	3650.5	3646.4	3635.5	3623.2	3602.8	3587.8	3600.0	3640.9	3658.7	3688.7	3692.8
35°	3342.3	3339.6	3332.7	3308.2	3301.4	3283.7	3294.6	3330.0	3343.7	3361.4	3375.0
37.5°	3040.9	3031.4	3028.7	3019.1	3006.8	3002.7	3002.7	3021.8	3035.5	3053.2	3066.8
40°	2742.3	2745.0	2736.8	2728.7	2724.6	2719.1	2720.5	2731.4	2742.3	2750.5	2758.7
42.5°	2472.3	2457.3	2451.8	2443.7	2447.7	2454.6	2439.6	2455.9	2469.6	2469.6	2487.3
45°	2162.7	2169.6	2172.3	2185.9	2185.9	2179.1	2173.7	2181.8	2195.5	2194.1	2211.8
47.5°	1892.7	1884.6	1891.4	1911.8	1929.6	1932.3	1915.9	1920.0	1924.1	1917.3	1933.6
50°	1596.8	1599.6	1598.2	1629.6	1665.0	1652.7	1640.5	1644.6	1643.2	1643.2	1645.9
52.5°	1275.0	1281.8	1273.6	1318.6	1356.8	1347.3	1339.1	1339.1	1345.9	1344.6	1343.2
55°	981.8	979.1	961.4	983.2	1017.3	1018.6	1006.4	1011.8	1018.6	1025.5	1024.1
57.5°	730.9	722.7	698.2	699.6	737.7	747.3	736.4	735.0	743.2	745.9	760.9
60°	492.3	490.9	469.1	467.7	482.7	508.6	496.4	496.4	499.1	503.2	507.3
62.5°	336.8	339.5	331.4	330.0	332.7	354.5	353.2	351.8	350.5	355.9	354.5
65°	264.5	265.9	263.2	263.2	264.5	274.1	283.6	285.0	286.4	287.7	286.4
67.5°	212.7	214.1	211.4	214.1	214.1	215.5	229.1	234.5	235.9	235.9	234.5
70°	163.6	169.1	171.8	171.8	171.8	171.8	181.4	188.2	186.8	178.6	170.5
72.5°	81.8	99.5	137.7	139.1	137.7	136.4	141.8	148.6	147.3	103.6	77.7
75°	54.5	58.6	107.7	113.2	111.8	106.4	111.8	120.0	117.3	66.8	64.1
77.5°	31.4	34.1	72.3	83.2	90.0	77.7	88.6	96.8	92.7	54.5	53.2
80°	24.5	23.2	51.8	64.1	61.4	49.1	72.3	77.7	70.9	40.9	36.8
82.5°	15.0	15.0	34.1	49.1	45.0	28.6	50.5	60.0	53.2	30.0	27.3
85°	8.2	9.5	16.4	24.5	25.9	19.1	27.3	32.7	32.7	19.1	19.1
87.5°	4.1	4.1	5.5	5.5	6.8	8.2	8.2	9.5	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)