

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: P636428

Luminaire Tested: **IFLD-S-SA6A-927-U-55-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P636428
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-927-U-55-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 5 distribution lens and Visor
Light Source: (96) 2700K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

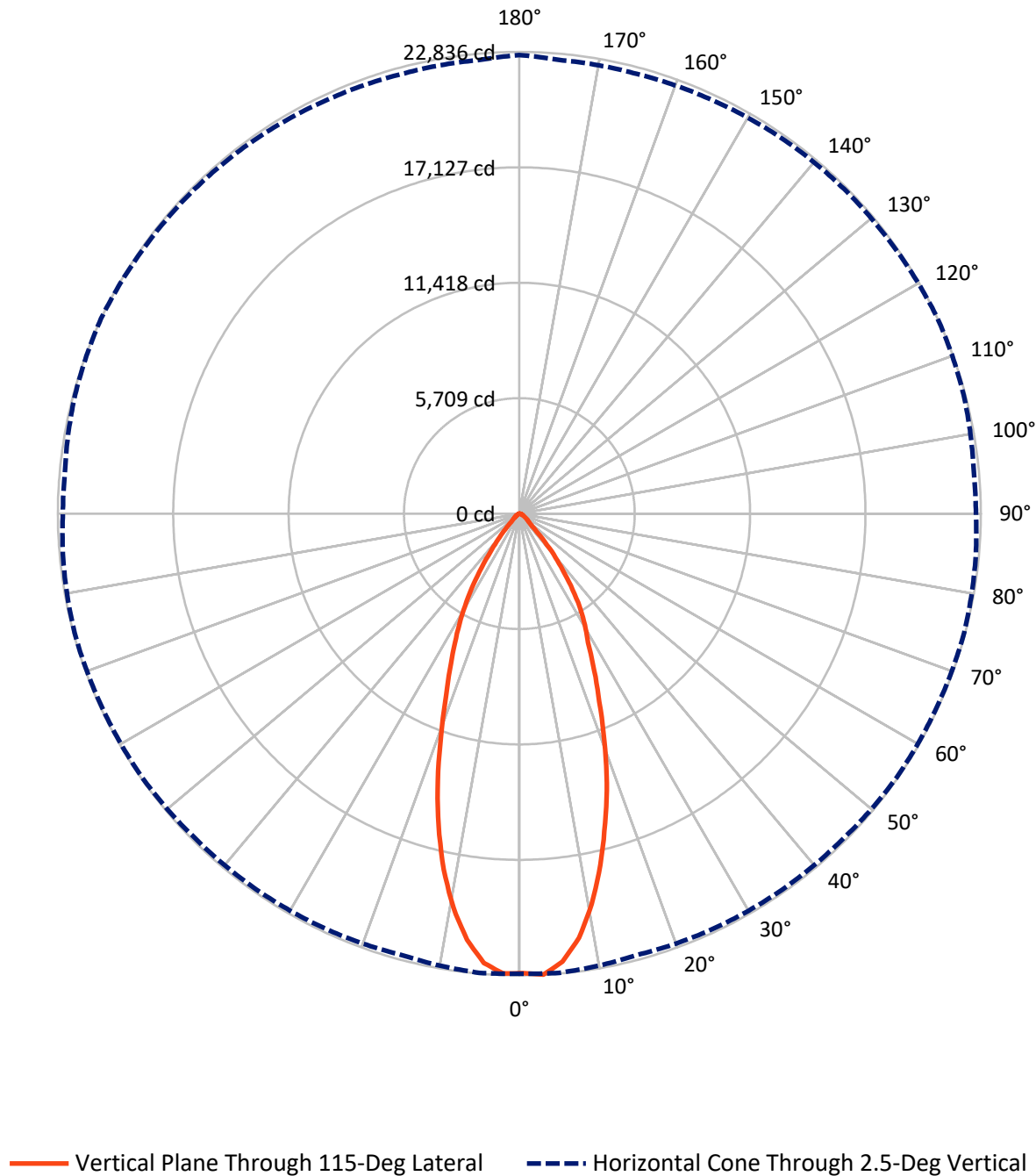
Lumens per Lamp: N/A
Luminaire Lumens: 14139.5 lumens
Efficiency: N/A
Efficacy: 74.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 189.6
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: 25 FT



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Luminous Intensity Polar Plot



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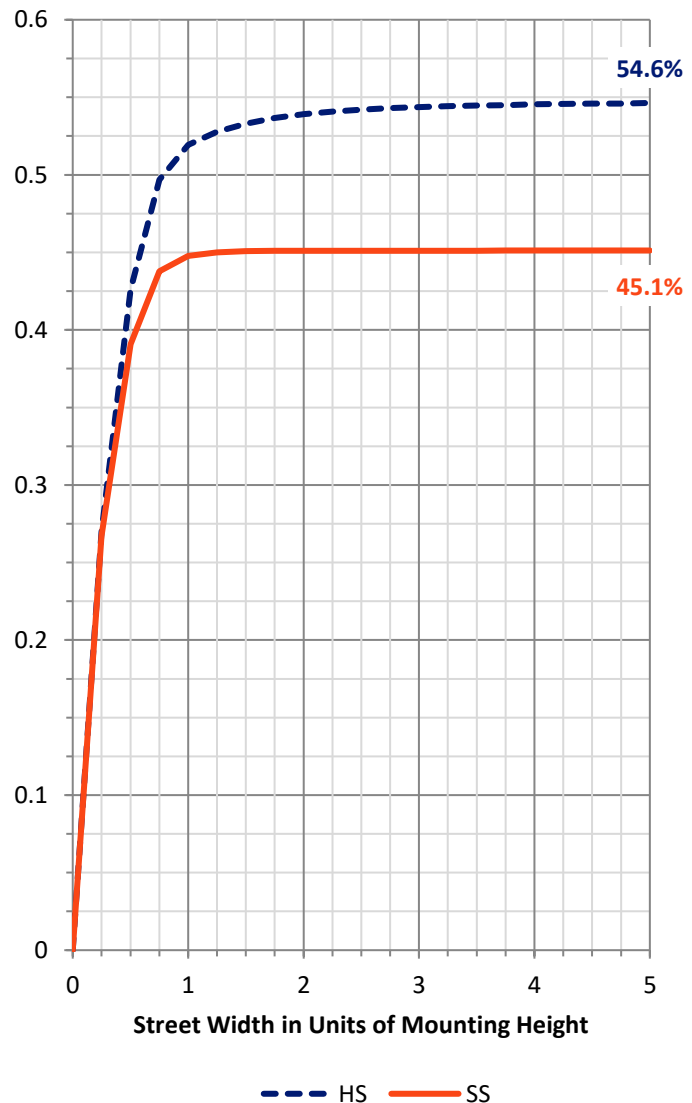
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7803.4	0.0	7803.4
	% Fixture	55.2	0.0	55.2
Street Side	Lumens	6336.2	0.0	6336.2
	% Fixture	44.8	0.0	44.8
Total	Lumens	14139.5	0.0	14139.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2038.6	14.4
10°-20°	4308.6	30.5
20°-30°	3888.8	27.5
30°-40°	2573.4	18.2
40°-50°	770.9	5.5
50°-60°	309.2	2.2
60°-70°	160.1	1.1
70°-80°	69.5	0.5
80°-90°	20.2	0.1
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°	14139.5	100.0
0°-180°	14139.5	100.0

Coefficient of Utilization



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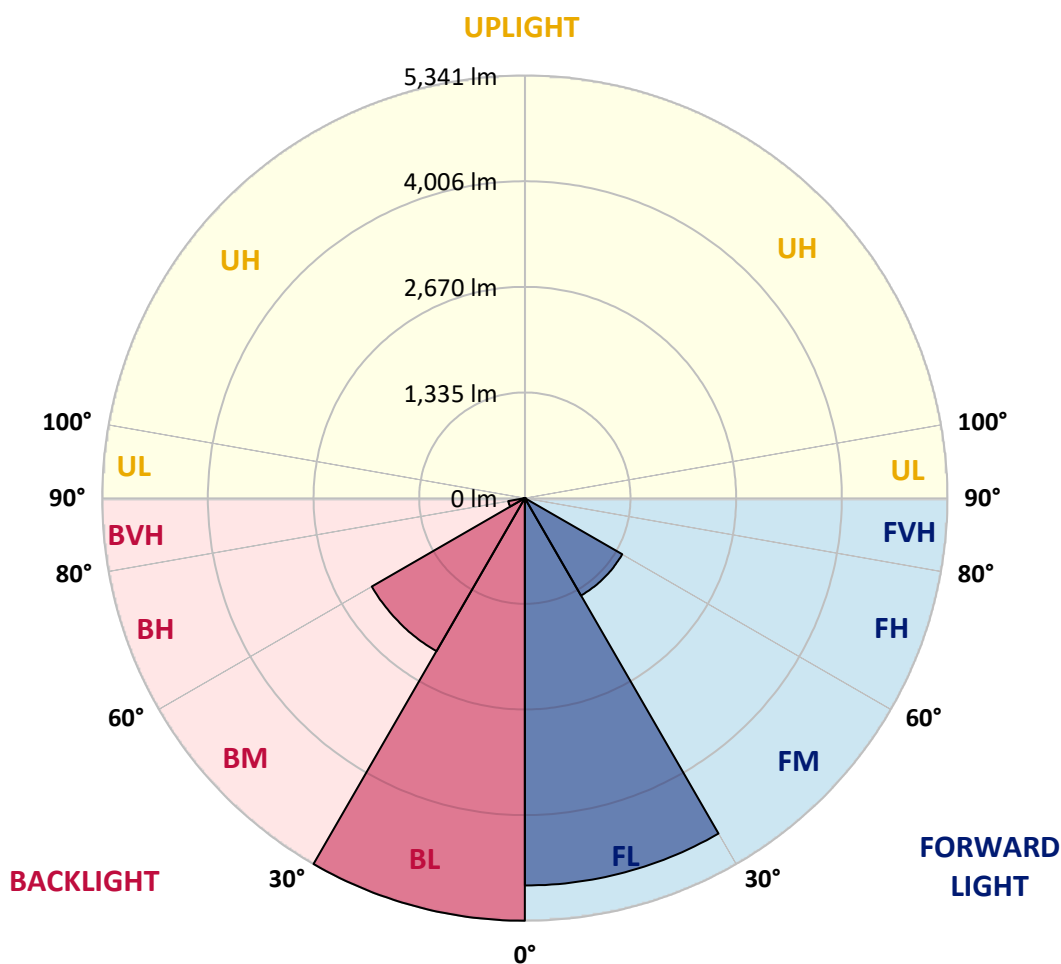
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4895.2	34.6			
FM	(30°-60°)	1420.4	10.0			
FH	(60°-80°)	17.6	0.1			G0/660
FVH	(80°-90°)	2.9	0.0			G0/10
BL	(0°-30°)	5340.8	37.8	B5		
BM	(30°-60°)	2233.1	15.8	B2/2500		
BH	(60°-80°)	212.1	1.5	B1/500		G1/500
BVH	(80°-90°)	17.3	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 I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	22729.2	22729.2	22729.2	22729.2	22729.2	22729.2	22729.2	22729.2	22729.2	22729.2
2.5°	22758.2	22798.6	22596.2	22665.6	22694.5	22703.2	22775.5	22763.9	22784.2	22677.2
5°	22457.4	22379.3	22229.0	22231.9	22223.2	22142.2	22307.0	22295.5	22260.8	22133.5
7.5°	21433.7	21546.5	21263.1	21257.3	21251.6	21153.2	21370.1	21237.1	21266.0	21083.8
10°	19935.8	19950.3	19698.7	19675.5	19695.8	19568.5	19820.1	19768.1	19823.0	19632.2
12.5°	18099.5	18180.5	17902.9	17862.4	17943.4	17764.1	17966.5	17992.5	17911.6	17885.5
15°	14195.7	14409.6	14935.9	15739.9	15948.1	15797.7	15959.6	15956.7	15991.4	15794.8
17.5°	10815.2	10835.4	10711.1	11095.7	13322.3	14045.3	14080.0	13805.3	13597.1	13524.8
20°	9441.6	9511.0	9398.2	9430.0	9785.7	11905.4	11986.4	11572.8	11217.1	11188.2
22.5°	8348.5	8391.9	8310.9	8336.9	8354.3	8603.0	10011.3	9646.9	9476.3	9346.2
25°	7423.2	7423.2	7379.8	7388.5	7371.1	7003.8	7726.8	8143.2	8044.9	7998.6
27.5°	6578.8	6590.3	6535.4	6567.2	6356.1	5763.3	5676.5	6905.5	6801.4	6717.6
30°	5777.7	5815.3	5763.3	5780.6	5320.8	4835.0	4586.3	5760.4	5890.5	5867.4
32.5°	4349.2	4519.8	4939.1	4956.5	4331.9	3958.8	3848.9	4623.9	5118.4	5075.0
35°	2695.1	2686.4	2703.8	3536.6	3322.6	3068.2	3108.6	3493.2	4051.4	4031.1
37.5°	2056.0	2053.2	2085.0	2001.1	2177.5	2327.9	2359.7	2359.7	2958.3	2961.2
40°	1558.7	1547.1	1544.2	1411.2	1182.7	1746.6	1694.6	1651.2	2056.0	2099.4
42.5°	994.8	1029.5	1003.4	858.9	772.1	954.3	1064.2	1029.5	1269.5	1301.3
45°	555.2	555.2	532.1	451.1	448.2	482.9	607.3	566.8	650.6	694.0
47.5°	268.9	263.2	289.2	355.7	370.1	358.6	433.8	451.1	491.6	532.1
50°	216.9	216.9	205.3	185.1	306.5	295.0	321.0	344.1	367.3	402.0
52.5°	182.2	182.2	167.7	156.2	176.4	225.6	228.4	271.8	268.9	318.1
55°	92.5	95.4	135.9	135.9	118.6	185.1	188.0	219.8	225.6	266.0
57.5°	8.7	11.6	17.4	83.9	92.5	101.2	141.7	161.9	188.0	205.3
60°	2.9	2.9	5.8	11.6	54.9	69.4	89.6	107.0	130.1	170.6
62.5°	0.0	0.0	2.9	5.8	11.6	43.4	49.2	54.9	78.1	107.0
65°	0.0	0.0	2.9	2.9	5.8	14.5	20.2	34.7	49.2	66.5
67.5°	0.0	0.0	2.9	2.9	5.8	8.7	11.6	17.4	23.1	43.4
70°	0.0	0.0	2.9	2.9	5.8	8.7	8.7	11.6	14.5	20.2
72.5°	0.0	0.0	2.9	2.9	5.8	11.6	8.7	8.7	11.6	14.5
75°	0.0	0.0	2.9	2.9	5.8	8.7	8.7	8.7	8.7	8.7
77.5°	0.0	0.0	2.9	2.9	5.8	8.7	8.7	8.7	5.8	5.8
80°	0.0	0.0	2.9	2.9	5.8	8.7	11.6	11.6	5.8	5.8
82.5°	0.0	0.0	2.9	5.8	5.8	14.5	17.4	14.5	5.8	2.9
85°	0.0	0.0	2.9	2.9	8.7	14.5	14.5	8.7	5.8	2.9
87.5°	0.0	0.0	0.0	2.9	2.9	5.8	8.7	8.7	2.9	2.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

90°		95°	105°	115°	125°	135°	145°	155°	165°	175°
22729.2	0°	22729.2	22729.2	22729.2	22729.2	22729.2	22729.2	22729.2	22729.2	22729.2
22590.4	2.5°	22578.9	22755.3	22836.2	22752.4	22711.9	22654.1	22570.2	22512.4	22523.9
22064.1	5°	22015.0	22200.1	22263.7	22191.4	22130.6	22098.8	22084.4	22113.3	22188.5
21005.8	7.5°	21000.0	21118.5	21187.9	21153.2	21069.4	21164.8	21190.8	21173.5	21283.4
19574.3	10°	19580.1	19710.2	19646.6	19661.1	19562.8	19611.9	19597.5	19661.1	19771.0
17865.3	12.5°	17749.6	17874.0	17824.8	17816.1	17712.0	17804.6	17746.7	17816.1	17960.7
15713.8	15°	15826.6	15904.7	15872.9	15823.7	15731.2	15763.0	15942.3	15930.7	15994.3
13481.4	17.5°	13423.6	13799.5	14004.8	14048.2	13973.0	14036.6	14163.8	14132.0	14276.6
11127.5	20°	11107.3	11486.1	11992.1	12402.8	12411.4	12420.1	12501.1	12521.3	12645.7
9349.1	22.5°	9308.6	9577.5	10121.2	10664.8	11040.7	11118.8	11110.1	11139.1	11173.8
7935.0	25°	7914.8	8111.4	8608.8	8984.7	9644.0	9863.8	9927.4	9863.8	9884.0
6688.6	27.5°	6763.8	7064.6	7229.4	7631.4	8276.2	8785.2	8764.9	8727.3	8733.1
5821.1	30°	5818.2	6142.1	6385.0	6506.5	6992.3	7726.8	7802.0	7695.0	7697.9
5054.8	32.5°	5023.0	5124.2	5482.8	5581.1	5893.4	6561.4	6818.8	6737.8	6723.3
4042.7	35°	4161.2	4216.2	4381.0	4574.8	4759.8	5265.9	5691.0	5615.8	5653.4
2972.7	37.5°	2961.2	3186.7	3345.8	3504.8	3637.8	3955.9	4467.8	4398.4	4436.0
2105.2	40°	2087.9	2189.1	2463.8	2533.2	2729.8	2877.3	3311.1	3287.9	3334.2
1307.1	42.5°	1283.9	1356.2	1495.0	1561.6	1694.6	1778.4	2032.9	2061.8	2122.6
722.9	45°	728.7	760.5	856.0	928.3	1026.6	1061.3	1150.9	1191.4	1226.1
561.0	47.5°	555.2	589.9	653.5	717.2	798.1	827.0	890.7	951.4	983.2
433.8	50°	454.0	485.8	552.3	604.4	685.3	711.4	763.4	829.9	870.4
329.7	52.5°	344.1	390.4	471.4	526.3	610.2	642.0	691.1	757.6	795.2
271.8	55°	283.4	318.1	390.4	465.6	543.7	587.0	618.8	699.8	740.3
222.7	57.5°	242.9	268.9	315.2	404.8	471.4	535.0	561.0	636.2	676.7
176.4	60°	185.1	225.6	266.0	335.4	410.6	477.1	506.1	572.6	604.4
127.2	62.5°	153.3	179.3	231.3	268.9	352.8	422.2	451.1	511.8	535.0
83.9	65°	107.0	144.6	193.7	216.9	295.0	361.5	402.0	448.2	471.4
49.2	67.5°	63.6	107.0	153.3	185.1	240.0	306.5	349.9	393.3	413.5
28.9	70°	40.5	83.9	121.5	156.2	188.0	251.6	303.6	341.2	332.6
17.4	72.5°	23.1	52.1	89.6	127.2	156.2	211.1	260.3	289.2	205.3
11.6	75°	14.5	37.6	75.2	104.1	127.2	167.7	214.0	219.8	127.2
5.8	77.5°	11.6	28.9	57.8	83.9	86.8	124.3	150.4	170.6	95.4
5.8	80°	5.8	23.1	49.2	69.4	54.9	86.8	115.7	133.0	75.2
2.9	82.5°	5.8	14.5	37.6	49.2	40.5	66.5	83.9	95.4	63.6
2.9	85°	2.9	11.6	20.2	28.9	28.9	43.4	37.6	46.3	40.5
2.9	87.5°	2.9	5.8	11.6	14.5	11.6	17.4	20.2	20.2	17.4
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

180°
22729.2
22680.1
22344.6
21393.2
19814.3
17986.8
16008.8
14253.5
12619.6
11110.1
9852.2
8741.8
7700.8
6758.0
5688.1
4467.8
3351.6
2192.0
1223.2
997.7
887.8
821.3
751.9
694.0
610.2
537.9
471.4
410.6
306.5
182.2
118.6
95.4
78.1
69.4
40.5
14.5
0.0

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