

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: P484656

Luminaire Tested: **IFLD-L-SA7B-722-U-SL4-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P484656
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-722-U-SL4-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL4 distribution lens with House Side Shield
Light Source: (112) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

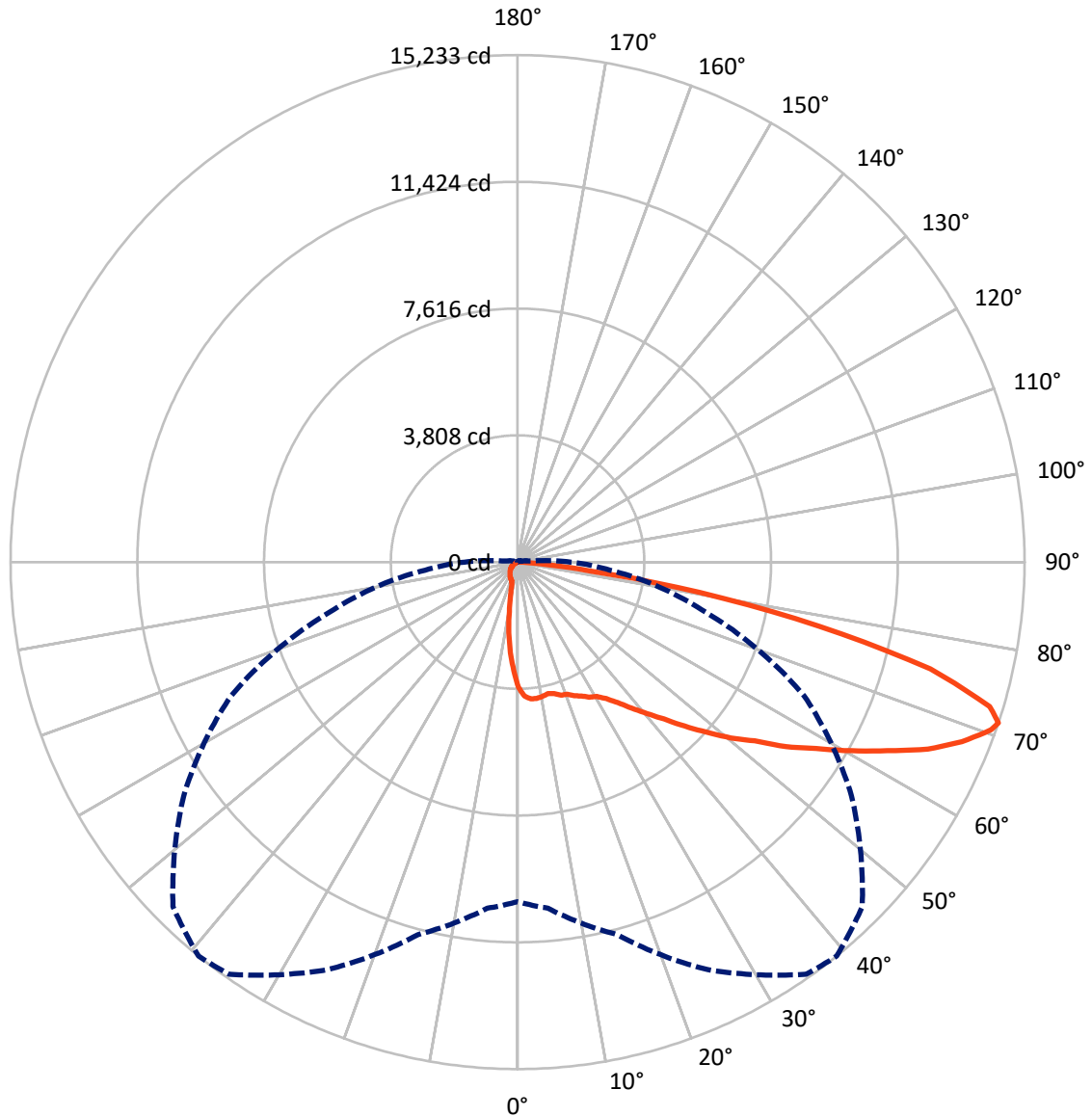
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21670.6 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 281
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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Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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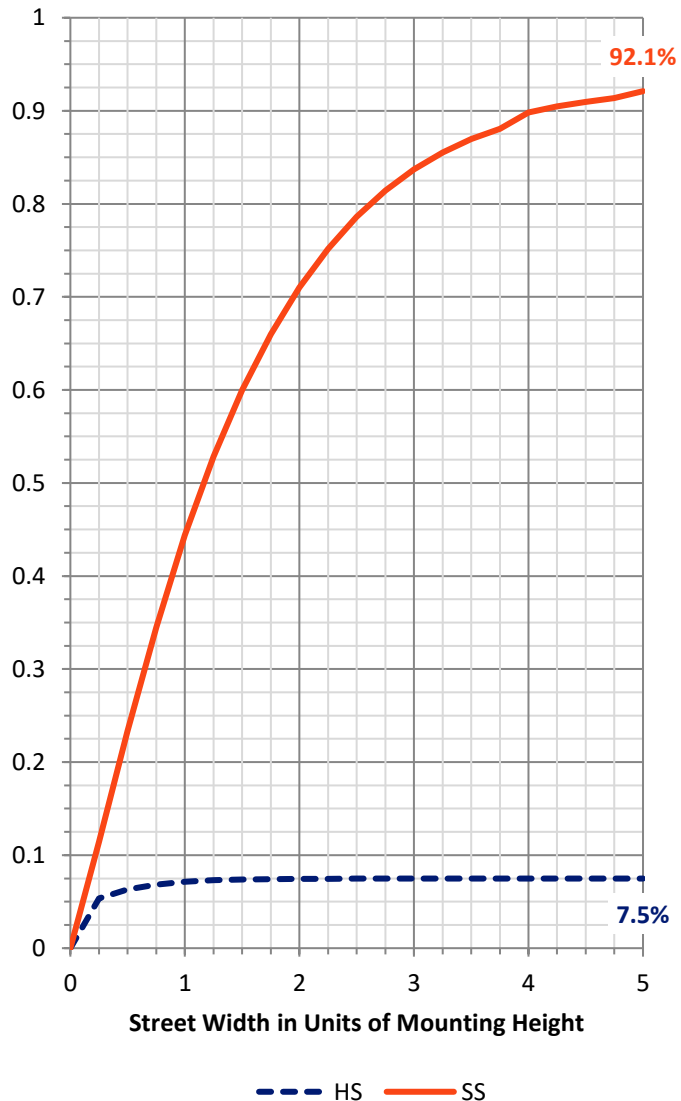
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1631.4	0.0	1631.4
	% Fixture	7.5	0.0	7.5
Street Side	Lumens	20039.1	0.0	20039.1
	% Fixture	92.5	0.0	92.5
Total	Lumens	21670.6	0.0	21670.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.4	1.5
10°-20°	776.2	3.6
20°-30°	1246.1	5.8
30°-40°	1907.4	8.8
40°-50°	3061.8	14.1
50°-60°	4497.2	20.8
60°-70°	5664.1	26.1
70°-80°	3780.1	17.4
80°-90°	422.4	1.9
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°	21670.6	100.0
0°-180°	21670.6	100.0

Coefficient of Utilization



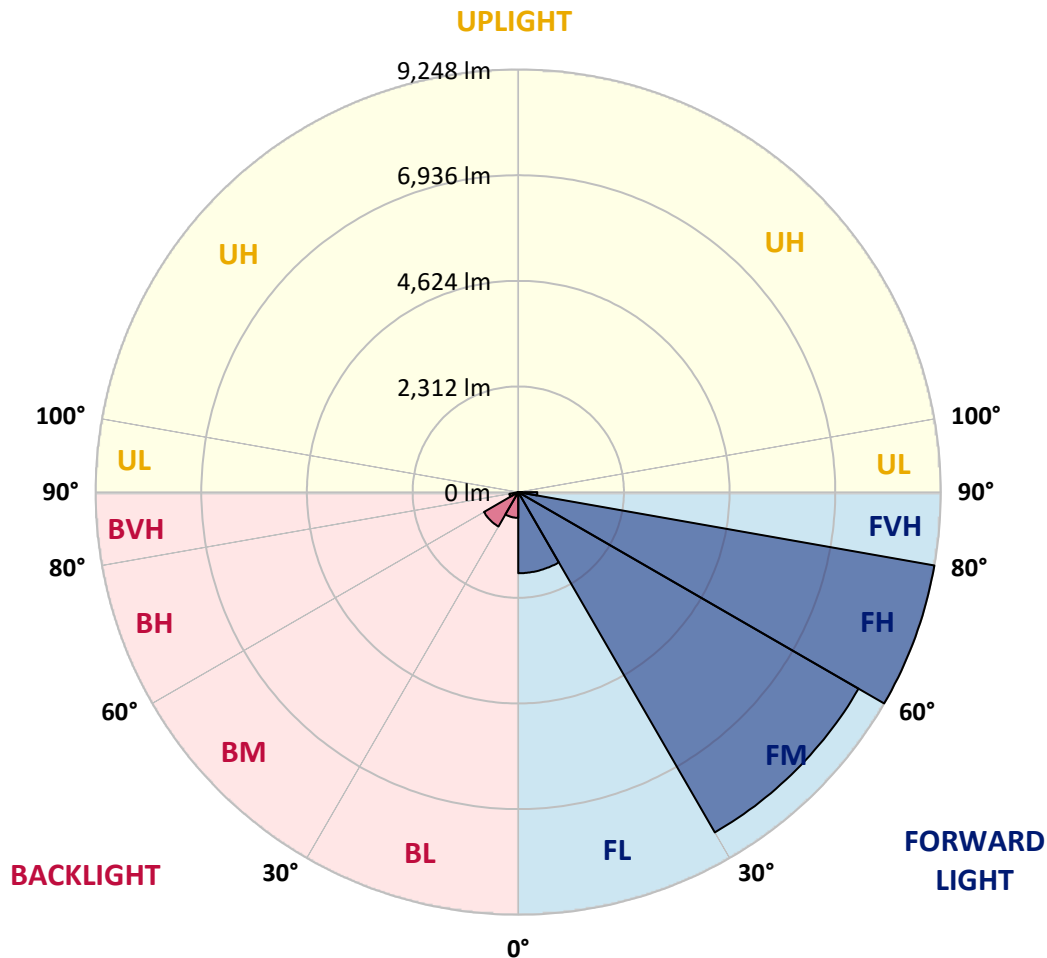
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1774.4	8.2			
FM (30°-60°)	8599.2	39.7			
FH (60°-80°)	9247.8	42.7			G4/12000
FVH (80°-90°)	417.8	1.9			G3/500
BL (0°-30°)	563.3	2.6	B2/1000		
BM (30°-60°)	867.2	4.0	B1/1000		
BH (60°-80°)	196.4	0.9	B1/500		G1/500
BVH (80°-90°)	4.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	3771.9	3771.9	3771.9	3771.9	3771.9	3771.9	3771.9	3771.9	3771.9	3771.9	3771.9
2.5°	4064.7	4104.5	4064.7	4047.6	4030.6	4033.4	3987.9	3996.5	3942.5	3871.4	3814.5
5°	4192.6	4246.6	4204.0	4184.1	4181.2	4127.2	4104.5	4050.5	3985.1	3874.2	3806.0
7.5°	4181.2	4169.8	4189.7	4172.7	4135.7	4135.7	4110.2	4033.4	3968.0	3843.0	3726.4
10°	4095.9	4130.1	4113.0	4093.1	4101.6	4104.5	4056.1	4002.1	3982.2	3857.2	3666.7
12.5°	4087.4	4030.6	4093.1	4095.9	4059.0	4056.1	4050.5	4036.3	3973.7	3860.0	3680.9
15°	4059.0	4036.3	4098.8	4101.6	4110.2	4101.6	4110.2	4098.8	4036.3	3970.9	3743.5
17.5°	4081.7	4056.1	4144.3	4186.9	4167.0	4206.8	4192.6	4141.4	4087.4	4010.7	3803.2
20°	4087.4	4124.4	4221.0	4238.1	4300.6	4235.2	4232.4	4178.4	4144.3	4061.8	3840.1
22.5°	4192.6	4209.6	4329.0	4366.0	4368.8	4360.3	4289.2	4226.7	4212.5	4110.2	3848.7
25°	4351.8	4411.5	4465.5	4488.2	4496.7	4456.9	4383.0	4303.4	4269.3	4204.0	3936.8
27.5°	4633.2	4596.2	4644.5	4678.6	4582.0	4596.2	4502.4	4434.2	4385.9	4329.0	4039.1
30°	4883.3	4849.2	4852.0	4846.3	4763.9	4687.2	4661.6	4542.2	4482.5	4505.3	4198.3
32.5°	5107.8	5033.9	5096.5	5068.1	4914.6	4891.8	4871.9	4721.3	4732.6	4837.8	4437.0
35°	5315.3	5289.8	5340.9	5289.8	5187.4	5181.8	5161.9	5031.1	5093.6	5244.3	4846.3
37.5°	5505.8	5514.3	5576.8	5551.3	5559.8	5565.5	5554.1	5414.8	5593.9	5932.2	5323.9
40°	5682.0	5670.6	5824.1	5903.7	5920.8	5983.3	5983.3	5949.2	6224.9	6605.8	5986.2
42.5°	5869.6	5898.0	6097.0	6230.6	6392.6	6446.6	6520.5	6537.6	6964.0	7398.8	6662.7
45°	6176.6	6128.3	6381.3	6696.8	6838.9	7029.3	7143.0	7239.7	7754.2	8351.1	7339.2
47.5°	6566.0	6469.4	6691.1	7148.7	7478.4	7634.8	7839.4	7967.3	8470.4	9087.3	7978.7
50°	6998.1	6898.6	7006.6	7637.6	8021.3	8305.6	8567.1	8729.1	9337.4	9911.6	8444.9
52.5°	7487.0	7396.0	7413.1	8146.4	8712.1	8919.5	9263.5	9505.1	10110.5	10409.0	8609.7
55°	8007.1	7984.4	7930.4	8643.8	9317.5	9783.6	9991.1	10281.1	10903.6	10679.0	8788.8
57.5°	8530.1	8459.1	8535.8	9303.3	10289.6	10568.2	10855.2	11028.6	11344.1	10914.9	8720.6
60°	9021.9	9027.6	9135.6	10019.6	11116.7	11511.8	11770.5	11665.3	11796.1	11017.3	8564.2
62.5°	9436.9	9425.5	9698.4	10824.0	12211.1	12478.3	12671.6	12202.6	12006.4	11116.7	8291.4
65°	9809.2	9937.1	10366.3	11781.9	13240.0	13547.0	13430.5	12711.4	12211.1	10824.0	7523.9
67.5°	10090.6	10281.1	11025.8	12682.9	14183.7	14399.8	14237.7	13097.9	11969.5	9675.6	6128.3
70°	10255.5	10448.8	11497.6	13433.3	14937.0	15093.3	14712.4	12799.5	10559.6	7006.6	3823.1
71°	10204.3	10440.2	11588.6	13512.9	15116.0	15232.6	14641.4	12248.0	9496.6	5866.8	2788.4
72.5°	9741.0	9962.7	11210.5	13456.1	14900.0	14829.0	14087.1	10923.5	7475.6	3740.6	1441.1
75°	7157.2	7396.0	9621.6	11639.8	13299.7	12810.8	11401.0	7666.0	3899.8	1145.5	420.7
77.5°	3564.4	3604.2	5971.9	8450.5	9755.2	9269.2	7640.5	4275.0	1458.2	338.2	210.3
80°	1642.9	1654.3	2239.8	4377.3	5898.0	5551.3	4280.7	2109.1	659.4	179.1	164.9
82.5°	1119.9	1137.0	1350.2	1813.5	2561.0	2160.2	1733.9	1350.2	378.0	108.0	162.0
85°	204.7	187.6	756.1	960.7	989.2	670.8	599.8	1168.2	142.1	62.5	142.1
87.5°	0.0	2.8	105.2	392.3	352.5	156.3	204.7	284.2	14.2	19.9	25.6
90°	0.0	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°	180°
0°	3771.9	3771.9	3771.9	3771.9	3771.9	3771.9	3771.9	3771.9	3771.9	3771.9	3771.9
2.5°	3766.2	3735.0	3629.8	3513.2	3408.1	3325.6	3220.5	3172.2	3095.4	3052.8	3049.9
5°	3712.2	3626.9	3445.0	3248.9	3030.0	2848.1	2646.3	2532.6	2401.9	2362.1	2353.5
7.5°	3621.3	3499.0	3231.8	2956.1	2620.7	2299.5	2052.2	1787.9	1625.9	1557.7	1532.1
10°	3564.4	3416.6	3052.8	2640.6	2171.6	1719.7	1372.9	1091.5	943.7	872.6	855.6
12.5°	3564.4	3405.2	2907.8	2339.3	1716.8	1176.8	849.9	687.9	639.5	622.5	622.5
15°	3555.9	3382.5	2768.5	2029.5	1270.6	790.2	633.9	599.8	594.1	591.2	588.4
17.5°	3598.5	3342.7	2626.4	1696.9	898.2	622.5	582.7	577.0	571.3	571.3	565.6
20°	3629.8	3320.0	2455.9	1344.5	670.8	577.0	560.0	551.4	548.6	545.7	551.4
22.5°	3604.2	3285.8	2245.5	1006.2	585.5	548.6	537.2	528.7	523.0	523.0	525.8
25°	3652.5	3254.6	2035.2	758.9	548.6	523.0	511.6	506.0	503.1	500.3	494.6
27.5°	3717.9	3268.8	1785.0	611.1	517.3	497.4	486.1	480.4	477.5	471.8	477.5
30°	3797.5	3266.0	1509.3	534.4	488.9	469.0	457.6	454.8	449.1	446.3	449.1
32.5°	3933.9	3339.9	1225.1	494.6	457.6	440.6	429.2	426.4	423.5	420.7	417.8
35°	4226.7	3430.8	957.9	463.3	429.2	409.3	400.8	395.1	392.3	389.4	386.6
37.5°	4587.7	3632.6	730.5	434.9	400.8	380.9	372.4	369.5	358.1	355.3	352.5
40°	5039.6	3848.7	562.8	403.6	375.2	355.3	346.8	338.2	324.0	318.4	312.7
42.5°	5602.4	4059.0	463.3	375.2	346.8	332.6	318.4	304.1	292.8	281.4	275.7
45°	6165.2	4303.4	406.5	349.6	324.0	307.0	295.6	275.7	255.8	238.8	235.9
47.5°	6634.2	4391.6	372.4	321.2	301.3	287.1	270.0	244.4	216.0	199.0	196.1
50°	6983.9	4340.4	338.2	292.8	275.7	261.5	238.8	207.5	179.1	162.0	156.3
52.5°	7052.1	4115.8	307.0	270.0	250.1	233.1	207.5	173.4	142.1	125.1	122.2
55°	7003.7	3743.5	281.4	250.1	227.4	201.8	173.4	139.3	110.9	93.8	91.0
57.5°	6904.3	3302.9	253.0	224.6	199.0	173.4	142.1	113.7	82.4	65.4	65.4
60°	6566.0	2703.2	224.6	196.1	170.5	147.8	116.5	82.4	56.8	42.6	39.8
62.5°	6094.2	2077.8	196.1	167.7	147.8	122.2	91.0	59.7	34.1	22.7	22.7
65°	5232.9	1455.3	164.9	139.3	122.2	99.5	68.2	37.0	19.9	8.5	8.5
67.5°	3976.6	901.1	136.4	116.5	105.2	79.6	48.3	22.7	8.5	2.8	0.0
70°	2282.5	469.0	108.0	93.8	82.4	59.7	34.1	11.4	5.7	0.0	0.0
71°	1594.6	346.8	96.6	82.4	73.9	54.0	28.4	8.5	2.8	0.0	0.0
72.5°	798.7	230.2	82.4	68.2	59.7	42.6	22.7	8.5	2.8	0.0	0.0
75°	284.2	147.8	56.8	45.5	42.6	31.3	14.2	5.7	2.8	0.0	0.0
77.5°	196.1	119.4	39.8	28.4	28.4	19.9	8.5	2.8	2.8	0.0	0.0
80°	179.1	65.4	25.6	17.1	14.2	11.4	5.7	2.8	0.0	0.0	0.0
82.5°	179.1	48.3	14.2	11.4	8.5	5.7	2.8	0.0	0.0	0.0	0.0
85°	125.1	25.6	8.5	8.5	5.7	2.8	0.0	0.0	0.0	0.0	0.0
87.5°	19.9	8.5	5.7	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
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)