

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: P850901

Luminaire Tested: **GLAN-SB8C-850-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850901
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8C-850-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 52596 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

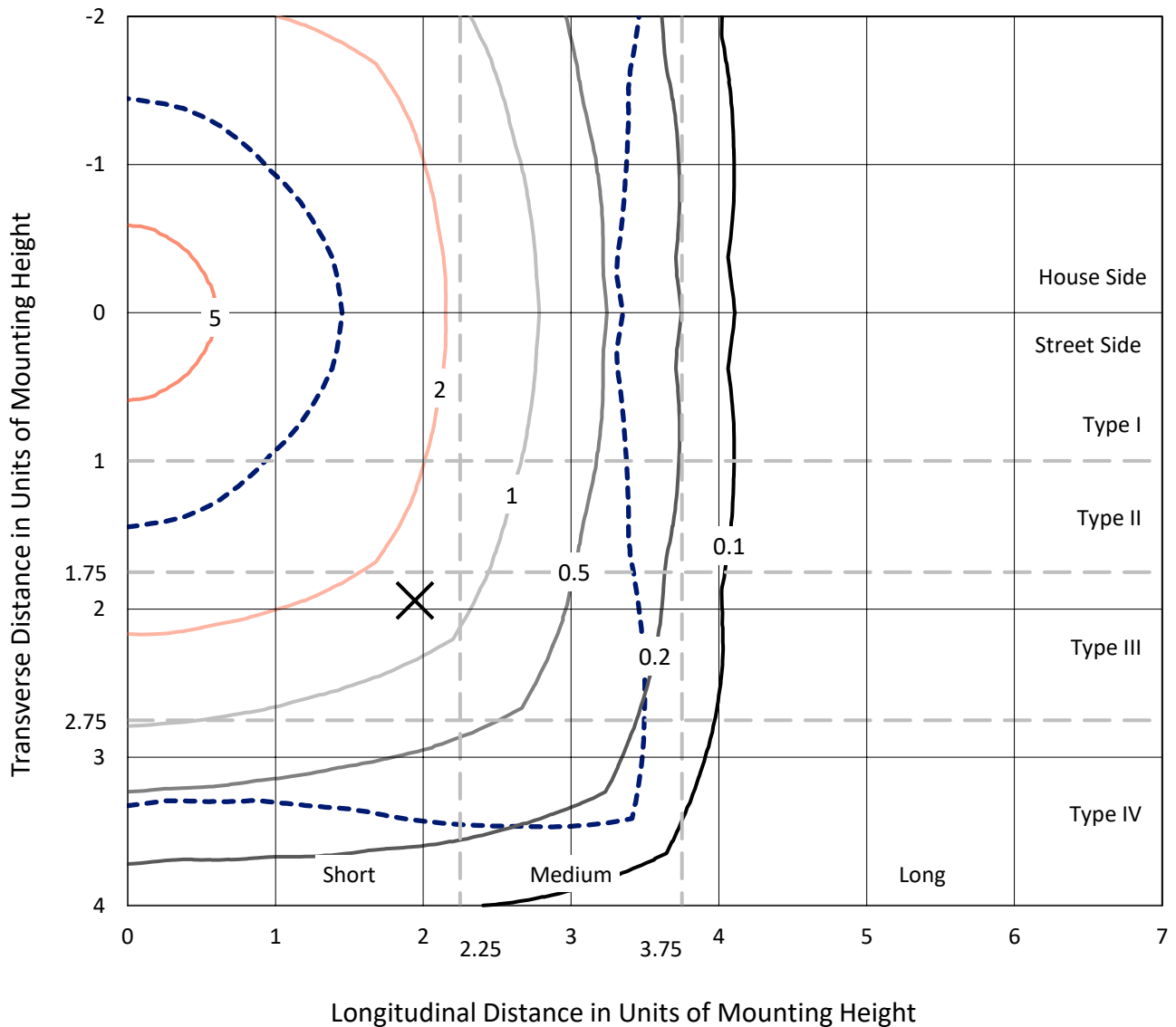
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

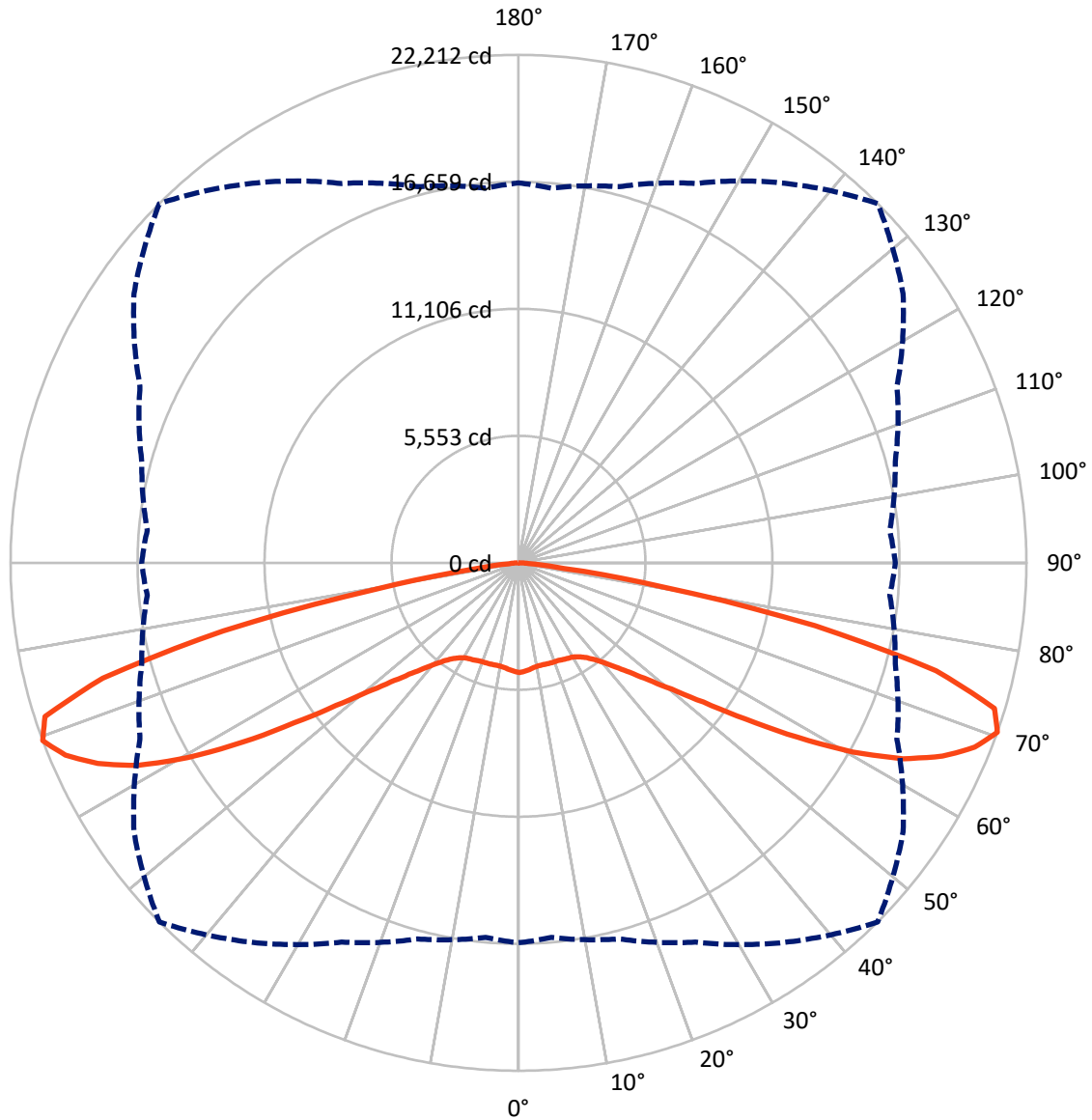
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	26298.0	0.0	26298.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	26298.0	0.0	26298.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	52596.0	0.0	52596.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	446.3	0.8
10°-20°	1310.5	2.5
20°-30°	2180.8	4.1
30°-40°	3298.1	6.3
40°-50°	5480.6	10.4
50°-60°	10341.7	19.7
60°-70°	17462.3	33.2
70°-80°	11474.6	21.8
80°-90°	601.1	1.1
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°	52596.0	100.0
0°-180°	52596.0	100.0

Coefficient of Utilization

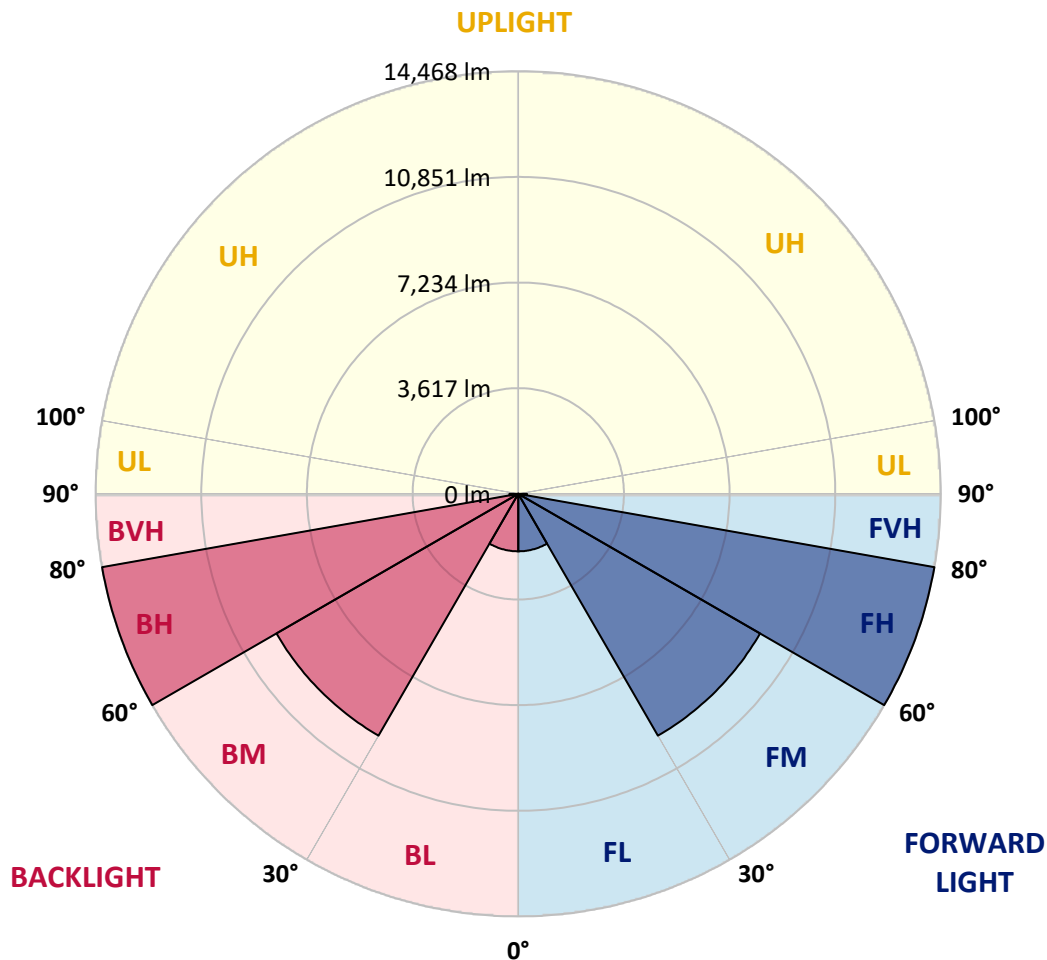


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1968.8	3.7			
FM (30°-60°)	9560.2	18.2			
FH (60°-80°)	14468.5	27.5			G5
FVH (80°-90°)	300.6	0.6			G3/500
BL (0°-30°)	1968.8	3.7	B3/2500		
BM (30°-60°)	9560.2	18.2	B5		
BH (60°-80°)	14468.5	27.5	B5		G5
BVH (80°-90°)	300.6	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4797.8	4797.8	4797.8	4797.8	4797.8	4797.8	4797.8	4797.8	4797.8	4797.8
2.5°	4767.7	4781.4	4775.9	4765.0	4765.0	4756.8	4765.0	4770.5	4778.7	4784.1
5°	4704.9	4715.8	4713.1	4704.9	4707.6	4699.4	4704.9	4713.1	4718.5	4721.3
7.5°	4650.2	4661.1	4655.7	4642.0	4642.0	4633.8	4636.5	4644.7	4652.9	4655.7
10°	4636.5	4647.5	4631.1	4609.2	4601.0	4590.0	4592.8	4601.0	4617.4	4625.6
12.5°	4642.0	4650.2	4633.8	4601.0	4592.8	4581.8	4581.8	4590.0	4611.9	4622.9
15°	4658.4	4666.6	4642.0	4606.4	4598.2	4590.0	4587.3	4598.2	4622.9	4642.0
17.5°	4688.5	4696.7	4658.4	4609.2	4598.2	4601.0	4598.2	4606.4	4644.7	4680.3
20°	4715.8	4721.3	4669.3	4609.2	4598.2	4601.0	4598.2	4614.6	4663.9	4713.1
22.5°	4724.0	4729.5	4680.3	4628.3	4620.1	4622.9	4620.1	4636.5	4683.0	4732.2
25°	4726.7	4734.9	4696.7	4655.7	4669.3	4674.8	4669.3	4672.1	4707.6	4751.3
27.5°	4767.7	4778.7	4743.1	4707.6	4715.8	4713.1	4721.3	4729.5	4756.8	4800.5
30°	4852.5	4860.7	4830.6	4795.1	4789.6	4770.5	4795.1	4822.4	4852.5	4890.8
32.5°	4991.9	5008.3	4970.0	4931.8	4907.2	4896.2	4915.4	4961.8	5002.8	5043.9
35°	5224.3	5235.2	5199.7	5128.6	5084.9	5084.9	5101.3	5161.4	5227.0	5279.0
37.5°	5552.3	5566.0	5503.1	5418.4	5352.8	5352.8	5374.6	5437.5	5535.9	5609.8
40°	5951.5	5970.6	5891.3	5803.9	5741.0	5730.0	5757.4	5828.5	5921.4	6014.4
42.5°	6432.6	6454.5	6350.6	6274.1	6224.9	6224.9	6238.5	6304.1	6388.9	6503.7
45°	7047.7	7086.0	6943.8	6867.3	6820.8	6831.8	6840.0	6897.4	6973.9	7105.1
47.5°	7780.4	7818.7	7668.3	7589.0	7580.8	7632.8	7600.0	7641.0	7682.0	7832.3
50°	8611.5	8677.1	8573.2	8567.7	8584.1	8679.8	8603.3	8625.1	8578.7	8674.3
52.5°	9628.4	9724.1	9705.0	9737.8	9921.0	10117.8	9942.8	9866.3	9691.3	9721.4
55°	10861.4	11006.3	11033.6	11230.4	11646.0	12047.8	11676.0	11367.1	10995.3	10927.0
57.5°	12263.8	12378.6	12509.9	12911.7	13688.1	14401.6	13688.1	13004.7	12419.6	12280.2
60°	13772.9	13915.0	14040.8	14634.0	15787.7	16791.0	15765.8	14680.5	13906.8	13718.2
62.5°	15394.0	15577.2	15664.7	16323.5	17668.5	18865.9	17687.7	16372.7	15514.3	15312.0
65°	16949.5	17099.9	17198.3	17900.9	19185.8	20385.9	19273.3	17977.5	17094.4	16829.3
67.5°	17674.0	17756.0	17996.6	18792.1	20148.1	21517.7	20377.7	18876.9	17890.0	17425.2
70°	16613.3	16446.5	17026.1	18300.0	20262.9	22212.1	20525.3	18261.8	17053.4	16298.9
72.5°	12837.9	12550.9	13556.9	15735.7	18950.7	21769.2	19081.9	15858.8	14182.9	12652.0
75°	6984.9	6659.5	8048.3	10804.0	15112.4	18868.7	15459.6	11112.9	8961.4	6932.9
77.5°	1971.1	1848.0	2968.9	5227.0	9089.9	13248.0	9439.8	5341.8	3521.1	2088.6
80°	604.2	585.0	792.8	1574.7	3860.1	6345.1	3709.8	1593.8	1008.8	637.0
82.5°	358.1	328.1	393.7	574.1	984.2	1992.9	956.8	598.7	481.1	322.6
85°	205.0	191.4	232.4	278.8	330.8	423.7	276.1	284.3	257.0	172.2
87.5°	84.7	76.5	90.2	87.5	76.5	98.4	73.8	87.5	103.9	68.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4797.8
4781.4
4721.3
4655.7
4625.6
4625.6
4644.7
4680.3
4715.8
4732.2
4748.6
4789.6
4882.6
5027.5
5259.8
5582.4
5984.3
6495.5
7099.7
7788.6
8616.9
9620.2
10820.4
12181.8
13554.2
15148.0
16698.0
17430.7
16479.3
13032.0
7384.0
2321.0
672.5
349.9
180.4
62.9
0.0

OF REPORT)