

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: P850201

Luminaire Tested: **GLAN-SB7C-835-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850201
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-SB7C-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44606 lumens
Efficiency: N/A
Efficacy: 127.3 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

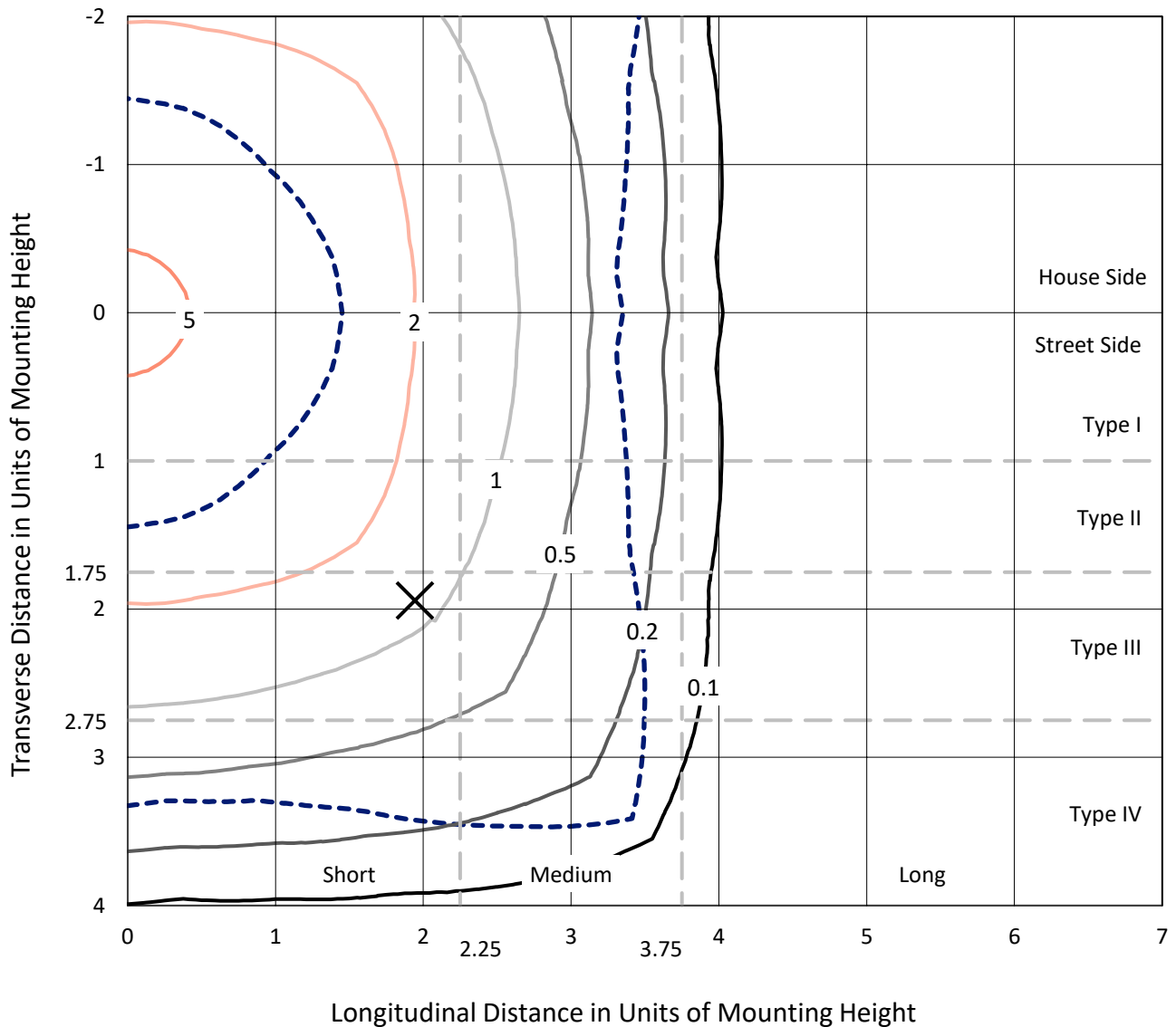
Input Watts (W): 350.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

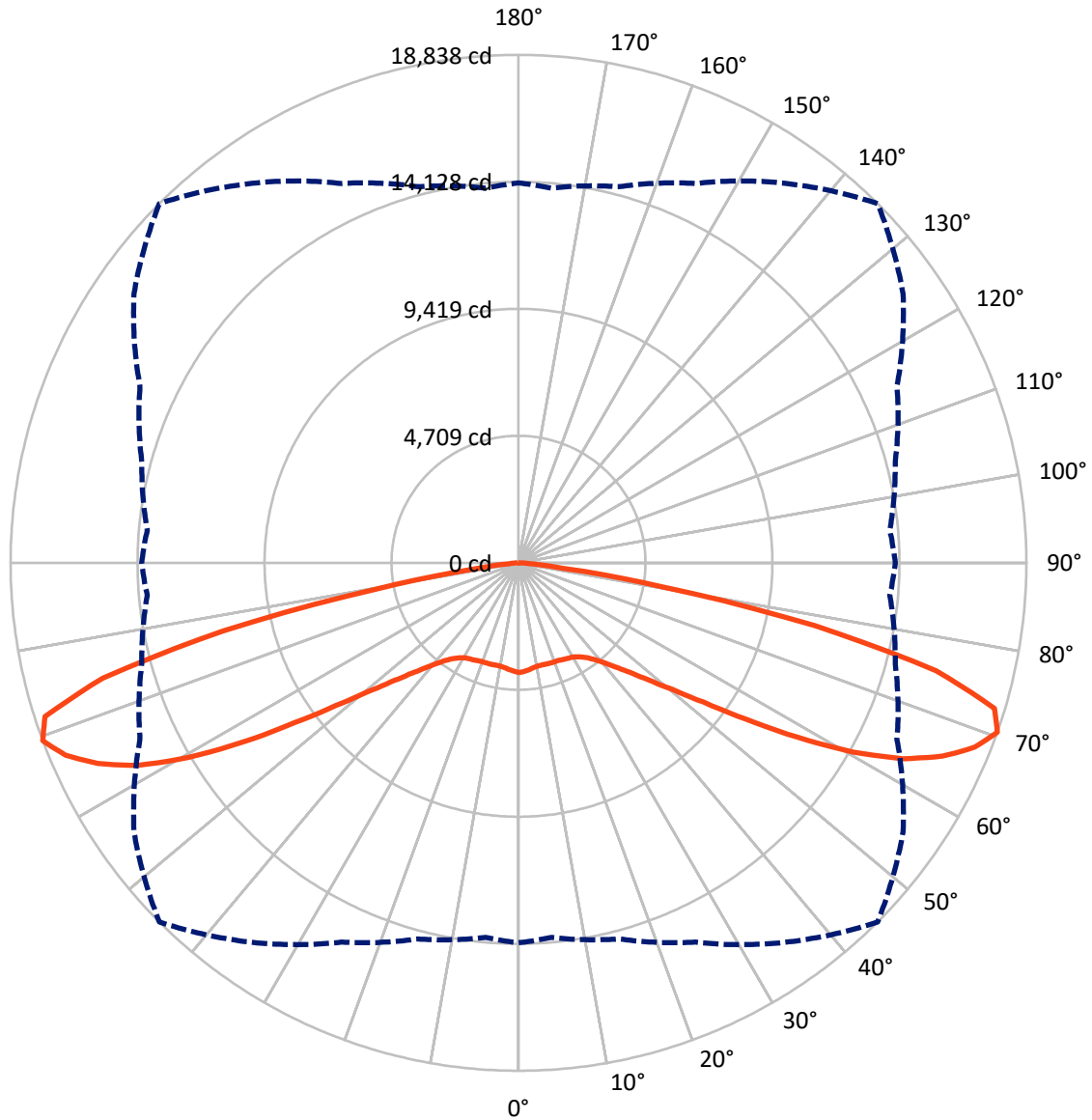
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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	22303.0	0.0	22303.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22303.0	0.0	22303.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	44606.0	0.0	44606.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.5	0.8
10°-20°	1111.4	2.5
20°-30°	1849.5	4.1
30°-40°	2797.0	6.3
40°-50°	4648.0	10.4
50°-60°	8770.7	19.7
60°-70°	14809.6	33.2
70°-80°	9731.4	21.8
80°-90°	509.8	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°	44606.0	100.0
0°-180°	44606.0	100.0

Coefficient of Utilization



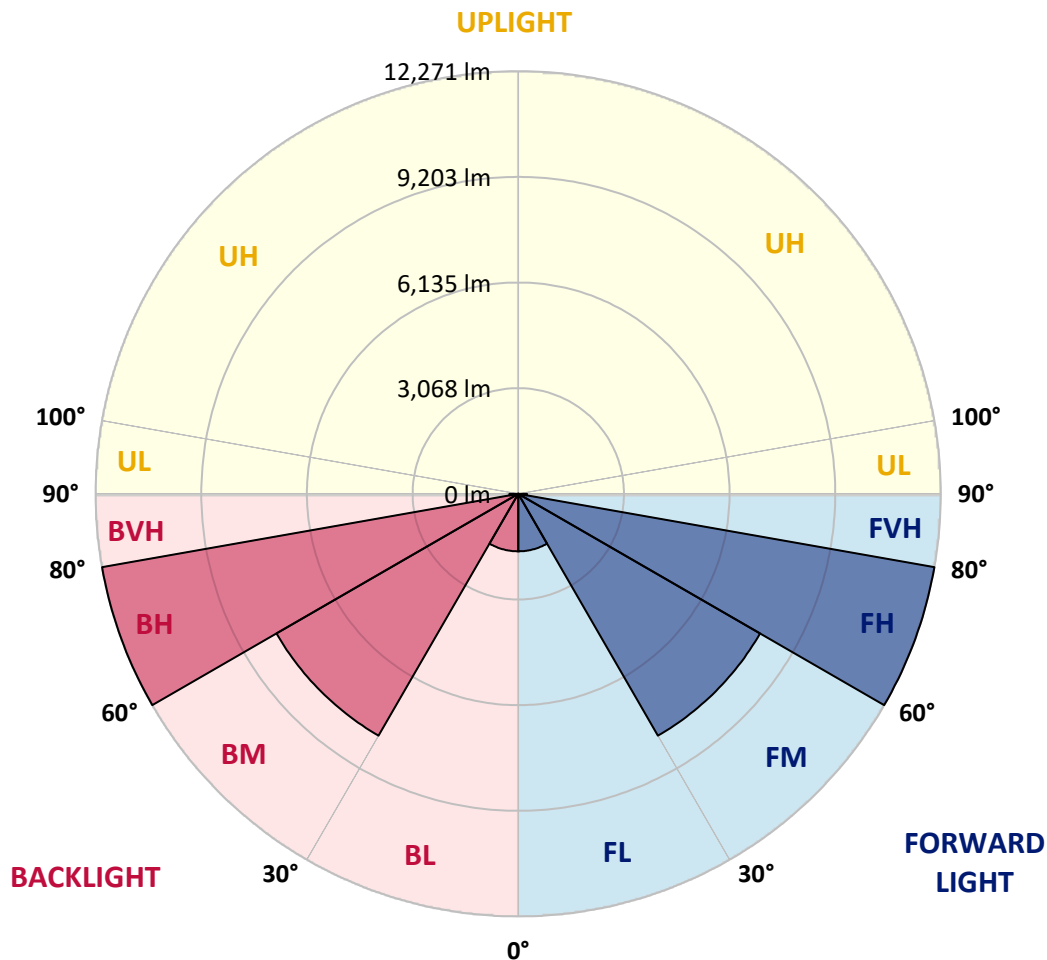
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1669.7	3.7			
FM (30°-60°)	8107.9	18.2			
FH (60°-80°)	12270.5	27.5			G5
FVH (80°-90°)	254.9	0.6			G3/500
BL (0°-30°)	1669.7	3.7	B3/2500		
BM (30°-60°)	8107.9	18.2	B4/8500		
BH (60°-80°)	12270.5	27.5	B5		G5
BVH (80°-90°)	254.9	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°	4069.0	4069.0	4069.0	4069.0	4069.0	4069.0	4069.0	4069.0	4069.0	4069.0
2.5°	4043.5	4055.1	4050.4	4041.1	4041.1	4034.2	4041.1	4045.8	4052.7	4057.4
5°	3990.1	3999.4	3997.1	3990.1	3992.5	3985.5	3990.1	3997.1	4001.7	4004.0
7.5°	3943.8	3953.0	3948.4	3936.8	3936.8	3929.9	3932.2	3939.1	3946.1	3948.4
10°	3932.2	3941.4	3927.5	3909.0	3902.0	3892.8	3895.1	3902.0	3915.9	3922.9
12.5°	3936.8	3943.8	3929.9	3902.0	3895.1	3885.8	3885.8	3892.8	3911.3	3920.6
15°	3950.7	3957.7	3936.8	3906.7	3899.7	3892.8	3890.4	3899.7	3920.6	3936.8
17.5°	3976.2	3983.2	3950.7	3909.0	3899.7	3902.0	3899.7	3906.7	3939.1	3969.3
20°	3999.4	4004.0	3960.0	3909.0	3899.7	3902.0	3899.7	3913.6	3955.4	3997.1
22.5°	4006.4	4011.0	3969.3	3925.2	3918.3	3920.6	3918.3	3932.2	3971.6	4013.3
25°	4008.7	4015.6	3983.2	3948.4	3960.0	3964.6	3960.0	3962.3	3992.5	4029.6
27.5°	4043.5	4052.7	4022.6	3992.5	3999.4	3997.1	4004.0	4011.0	4034.2	4071.3
30°	4115.3	4122.3	4096.8	4066.6	4062.0	4045.8	4066.6	4089.8	4115.3	4147.8
32.5°	4233.6	4247.5	4215.0	4182.6	4161.7	4152.4	4168.7	4208.1	4242.9	4277.6
35°	4430.7	4439.9	4409.8	4349.5	4312.4	4312.4	4326.3	4377.3	4433.0	4477.0
37.5°	4708.9	4720.5	4667.1	4595.3	4539.6	4539.6	4558.2	4611.5	4695.0	4757.6
40°	5047.4	5063.6	4996.4	4922.2	4868.8	4859.6	4882.8	4943.0	5021.9	5100.7
42.5°	5455.4	5474.0	5385.9	5321.0	5279.2	5279.2	5290.8	5346.5	5418.3	5515.7
45°	5977.1	6009.5	5889.0	5824.1	5784.7	5793.9	5800.9	5849.6	5914.5	6025.8
47.5°	6598.4	6630.9	6503.4	6436.2	6429.2	6473.2	6445.4	6480.2	6515.0	6642.5
50°	7303.3	7358.9	7270.8	7266.2	7280.1	7361.2	7296.3	7314.9	7275.4	7356.6
52.5°	8165.8	8246.9	8230.7	8258.5	8413.8	8580.8	8432.4	8367.5	8219.1	8244.6
55°	9211.4	9334.3	9357.5	9524.4	9876.8	10217.6	9902.3	9640.3	9325.0	9267.0
57.5°	10400.8	10498.2	10609.5	10950.3	11608.7	12213.9	11608.7	11029.1	10532.9	10414.7
60°	11680.6	11801.2	11907.8	12410.9	13389.3	14240.2	13370.8	12450.3	11794.2	11634.2
62.5°	13055.5	13210.8	13285.0	13843.8	14984.5	16000.0	15000.7	13885.5	13157.5	12985.9
65°	14374.7	14502.2	14585.7	15181.5	16271.2	17289.0	16345.4	15246.4	14497.6	14272.7
67.5°	14989.1	15058.6	15262.7	15937.4	17087.3	18248.9	17282.1	16009.2	15172.3	14778.1
70°	14089.5	13948.1	14439.6	15520.0	17184.7	18837.8	17407.3	15487.6	14462.8	13822.9
72.5°	10887.7	10644.2	11497.4	13345.3	16071.8	18462.2	16183.1	13449.6	12028.4	10730.0
75°	5923.8	5647.9	6825.7	9162.7	12816.7	16002.3	13111.1	9424.7	7600.0	5879.7
77.5°	1671.6	1567.3	2517.9	4433.0	7709.0	11235.4	8005.8	4530.3	2986.2	1771.3
80°	512.4	496.2	672.4	1335.5	3273.7	5381.2	3146.2	1351.7	855.5	540.2
82.5°	303.7	278.2	333.9	486.9	834.7	1690.2	811.5	507.8	408.1	273.6
85°	173.9	162.3	197.1	236.5	280.5	359.4	234.2	241.1	217.9	146.1
87.5°	71.9	64.9	76.5	74.2	64.9	83.5	62.6	74.2	88.1	58.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4069.0
4055.1
4004.0
3948.4
3922.9
3922.9
3939.1
3969.3
3999.4
4013.3
4027.2
4062.0
4140.8
4263.7
4460.8
4734.4
5075.2
5508.8
6021.1
6605.4
7307.9
8158.8
9176.6
10331.2
11495.1
12846.8
14161.4
14782.7
13975.9
11052.3
6262.3
1968.4
570.4
296.8
153.0
53.3
0.0

OF REPORT)