

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: P848271

Luminaire Tested: **GLAN-SB4D-735-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848271
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-SB4D-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40481 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

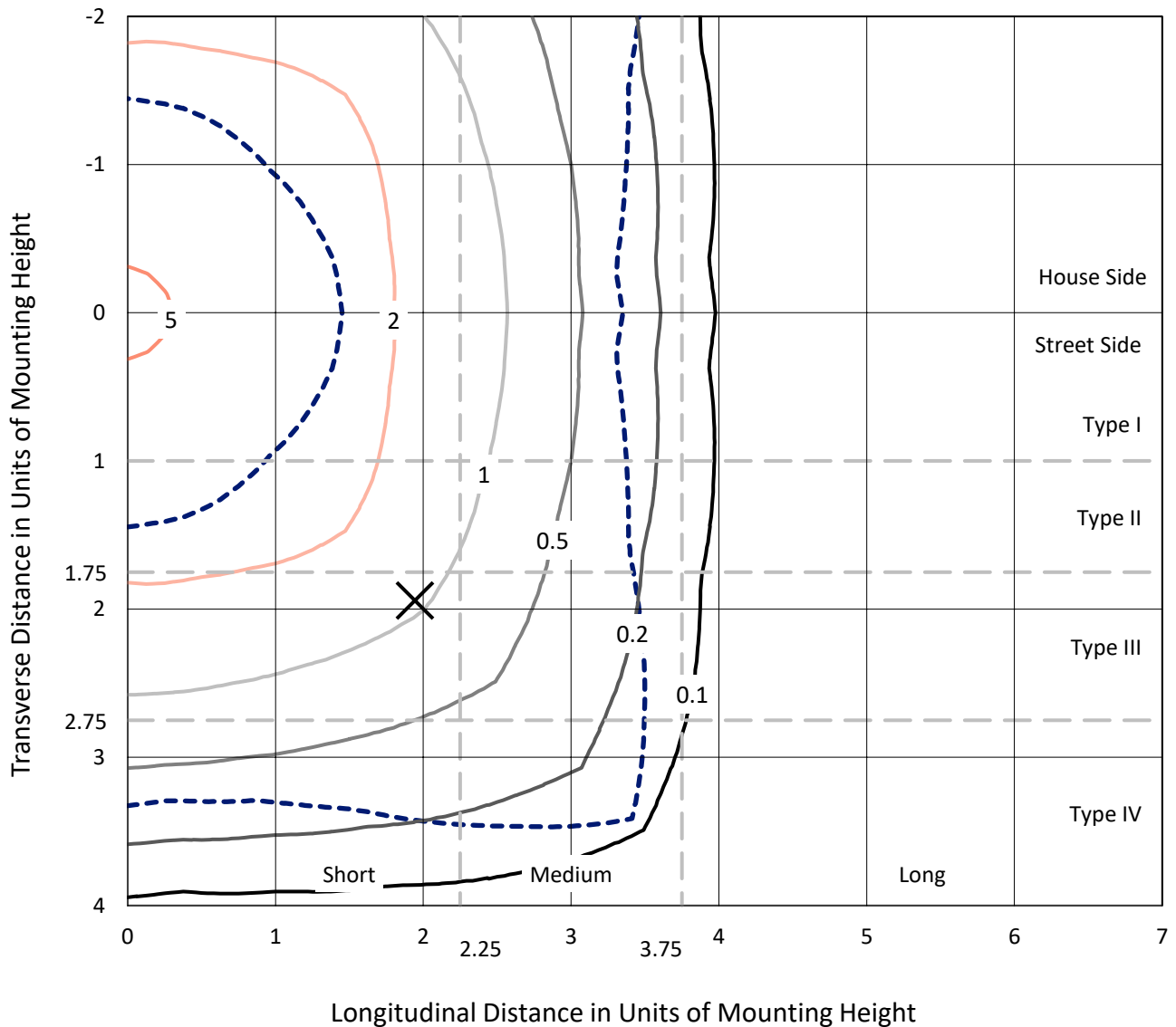
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

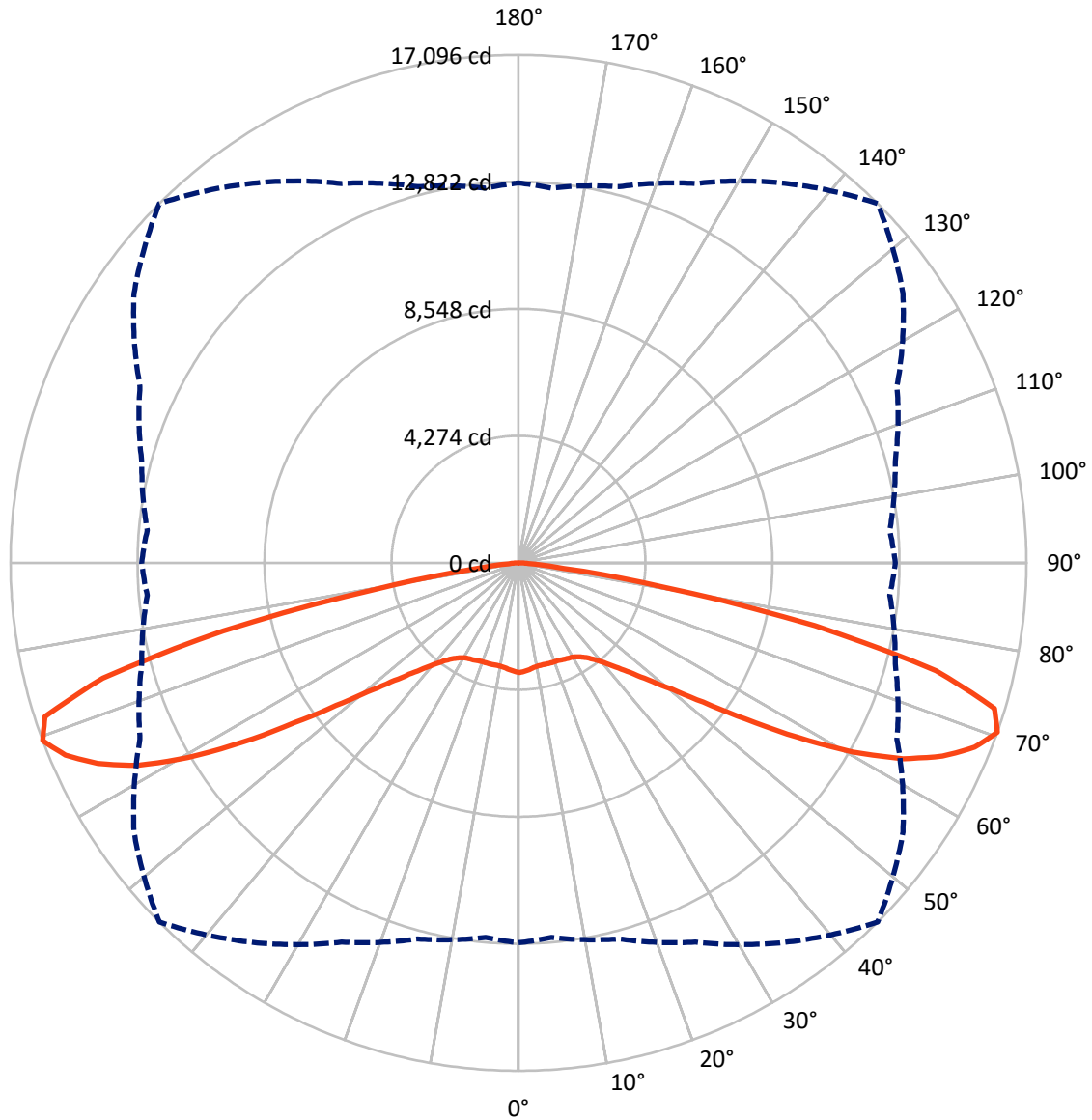
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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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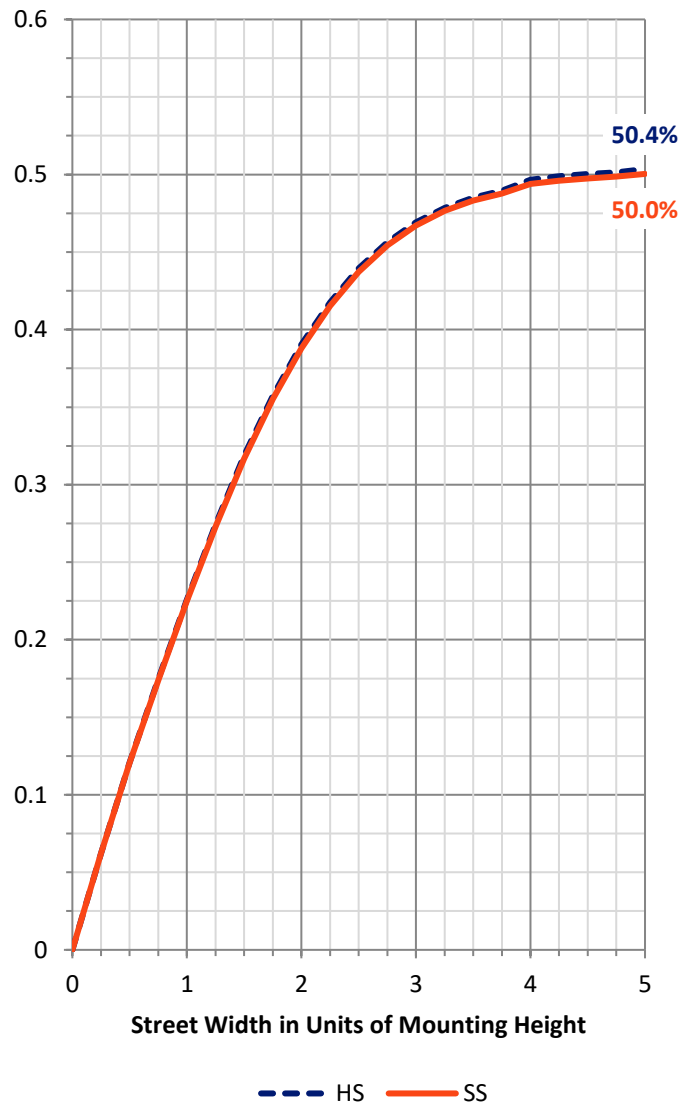
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20240.5	0.0	20240.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20240.5	0.0	20240.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	40481.0	0.0	40481.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.5	0.8
10°-20°	1008.6	2.5
20°-30°	1678.5	4.1
30°-40°	2538.4	6.3
40°-50°	4218.2	10.4
50°-60°	7959.6	19.7
60°-70°	13440.0	33.2
70°-80°	8831.5	21.8
80°-90°	462.7	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°	40481.0	100.0
0°-180°	40481.0	100.0

Coefficient of Utilization

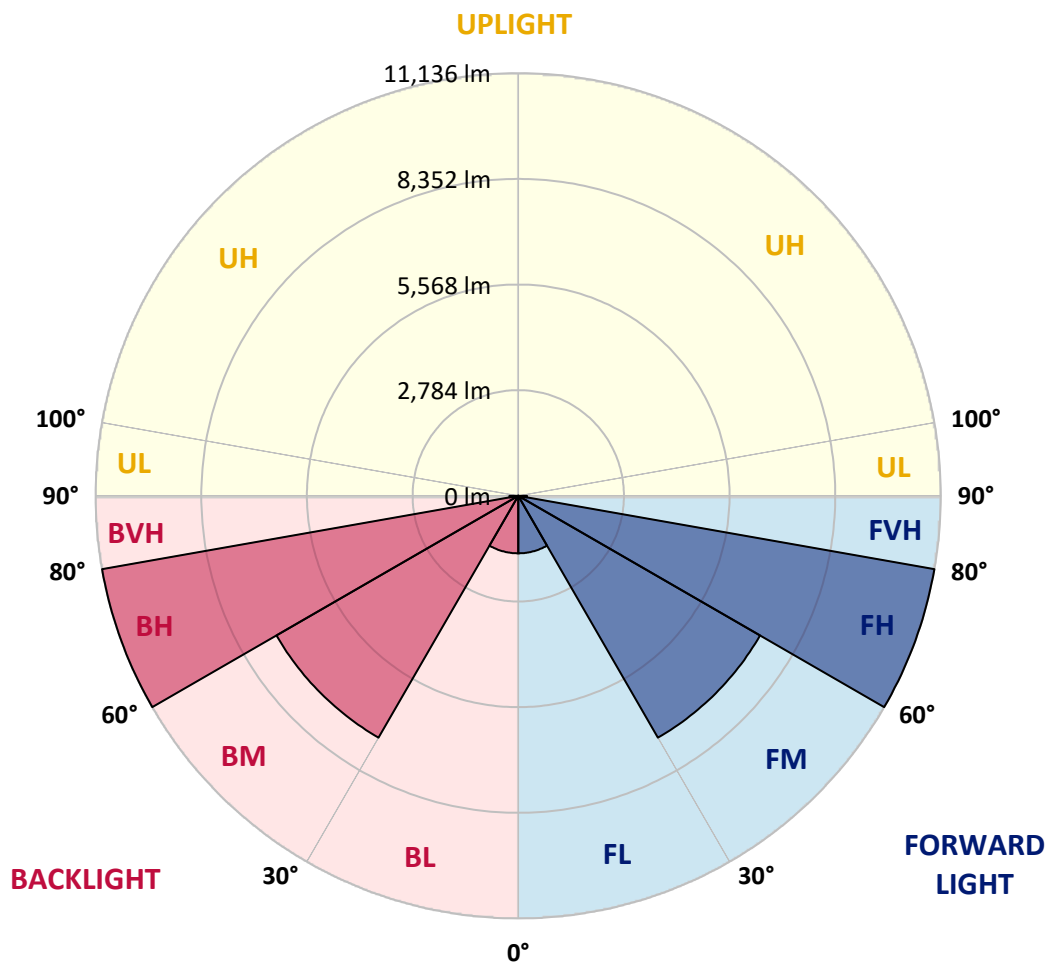


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1515.3	3.7			
FM (30°-60°)	7358.1	18.2			
FH (60°-80°)	11135.8	27.5			G4/12000
FVH (80°-90°)	231.3	0.6			G3/500
BL (0°-30°)	1515.3	3.7	B3/2500		
BM (30°-60°)	7358.1	18.2	B4/8500		
BH (60°-80°)	11135.8	27.5	B5		G4/12000
BVH (80°-90°)	231.3	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-G4
 Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3692.7	3692.7	3692.7	3692.7	3692.7	3692.7	3692.7	3692.7	3692.7	3692.7
2.5°	3669.5	3680.1	3675.8	3667.4	3667.4	3661.1	3667.4	3671.6	3678.0	3682.2
5°	3621.1	3629.6	3627.5	3621.1	3623.2	3616.9	3621.1	3627.5	3631.7	3633.8
7.5°	3579.1	3587.5	3583.3	3572.7	3572.7	3566.4	3568.5	3574.9	3581.2	3583.3
10°	3568.5	3577.0	3564.3	3547.5	3541.2	3532.8	3534.9	3541.2	3553.8	3560.1
12.5°	3572.7	3579.1	3566.4	3541.2	3534.9	3526.5	3526.5	3532.8	3549.6	3558.0
15°	3585.4	3591.7	3572.7	3545.4	3539.1	3532.8	3530.7	3539.1	3558.0	3572.7
17.5°	3608.5	3614.8	3585.4	3547.5	3539.1	3541.2	3539.1	3545.4	3574.9	3602.2
20°	3629.6	3633.8	3593.8	3547.5	3539.1	3541.2	3539.1	3551.7	3589.6	3627.5
22.5°	3635.9	3640.1	3602.2	3562.2	3555.9	3558.0	3555.9	3568.5	3604.3	3642.2
25°	3638.0	3644.3	3614.8	3583.3	3593.8	3598.0	3593.8	3595.9	3623.2	3656.9
27.5°	3669.5	3678.0	3650.6	3623.2	3629.6	3627.5	3633.8	3640.1	3661.1	3694.8
30°	3734.8	3741.1	3717.9	3690.6	3686.4	3671.6	3690.6	3711.6	3734.8	3764.2
32.5°	3842.1	3854.7	3825.2	3795.8	3776.8	3768.4	3783.2	3818.9	3850.5	3882.1
35°	4020.9	4029.3	4002.0	3947.3	3913.6	3913.6	3926.2	3972.5	4023.0	4063.0
37.5°	4273.4	4283.9	4235.5	4170.3	4119.8	4119.8	4136.6	4185.0	4260.8	4317.6
40°	4580.6	4595.3	4534.3	4467.0	4418.6	4410.2	4431.2	4485.9	4557.5	4629.0
42.5°	4950.9	4967.8	4887.8	4828.9	4791.0	4791.0	4801.5	4852.0	4917.3	5005.6
45°	5424.4	5453.8	5344.4	5285.5	5249.7	5258.1	5264.4	5308.6	5367.5	5468.5
47.5°	5988.2	6017.7	5902.0	5841.0	5834.6	5874.6	5849.4	5880.9	5912.5	6028.2
50°	6627.9	6678.4	6598.4	6594.2	6606.9	6680.5	6621.6	6638.4	6602.6	6676.3
52.5°	7410.6	7484.3	7469.5	7494.8	7635.8	7787.2	7652.6	7593.7	7459.0	7482.2
55°	8359.6	8471.1	8492.1	8643.6	8963.4	9272.7	8986.6	8748.8	8462.7	8410.1
57.5°	9439.0	9527.3	9628.3	9937.6	10535.2	11084.4	10535.2	10009.2	9558.9	9451.6
60°	10600.4	10709.8	10806.6	11263.2	12151.1	12923.3	12134.3	11299.0	10703.5	10558.3
62.5°	11848.1	11989.1	12056.4	12563.5	13598.7	14520.3	13613.5	12601.4	11940.7	11785.0
65°	13045.4	13161.1	13236.8	13777.6	14766.5	15690.2	14833.9	13836.5	13156.9	12952.8
67.5°	13603.0	13666.1	13851.2	14463.5	15507.2	16561.3	15683.9	14528.8	13769.2	13411.5
70°	12786.6	12658.2	13104.3	14084.8	15595.5	17095.8	15797.5	14055.3	13125.3	12544.6
72.5°	9880.8	9659.9	10434.2	12111.2	14585.6	16754.9	14686.6	12205.8	10916.0	9737.7
75°	5376.0	5125.6	6194.4	8315.4	11631.4	14522.4	11898.6	8553.1	6897.2	5336.0
77.5°	1517.1	1422.4	2285.0	4023.0	6996.1	10196.4	7265.4	4111.4	2710.1	1607.5
80°	465.0	450.3	610.2	1212.0	2971.0	4883.6	2855.3	1226.7	776.4	490.3
82.5°	275.6	252.5	303.0	441.9	757.5	1533.9	736.4	460.8	370.3	248.3
85°	157.8	147.3	178.8	214.6	254.6	326.1	212.5	218.8	197.8	132.6
87.5°	65.2	58.9	69.4	67.3	58.9	75.7	56.8	67.3	80.0	52.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3692.7
3680.1
3633.8
3583.3
3560.1
3560.1
3574.9
3602.2
3629.6
3642.2
3654.8
3686.4
3757.9
3869.4
4048.3
4296.6
4605.9
4999.3
5464.3
5994.6
6632.1
7404.3
8328.0
9375.8
10432.1
11658.8
12851.8
13415.7
12683.5
10030.2
5683.2
1786.4
517.6
269.3
138.9
48.4
0.0

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