

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: P851331

Luminaire Tested: **GLAN-SB9B-735-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851331
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-SB9B-735-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50910 lumens
Efficiency: N/A
Efficacy: 154.5 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

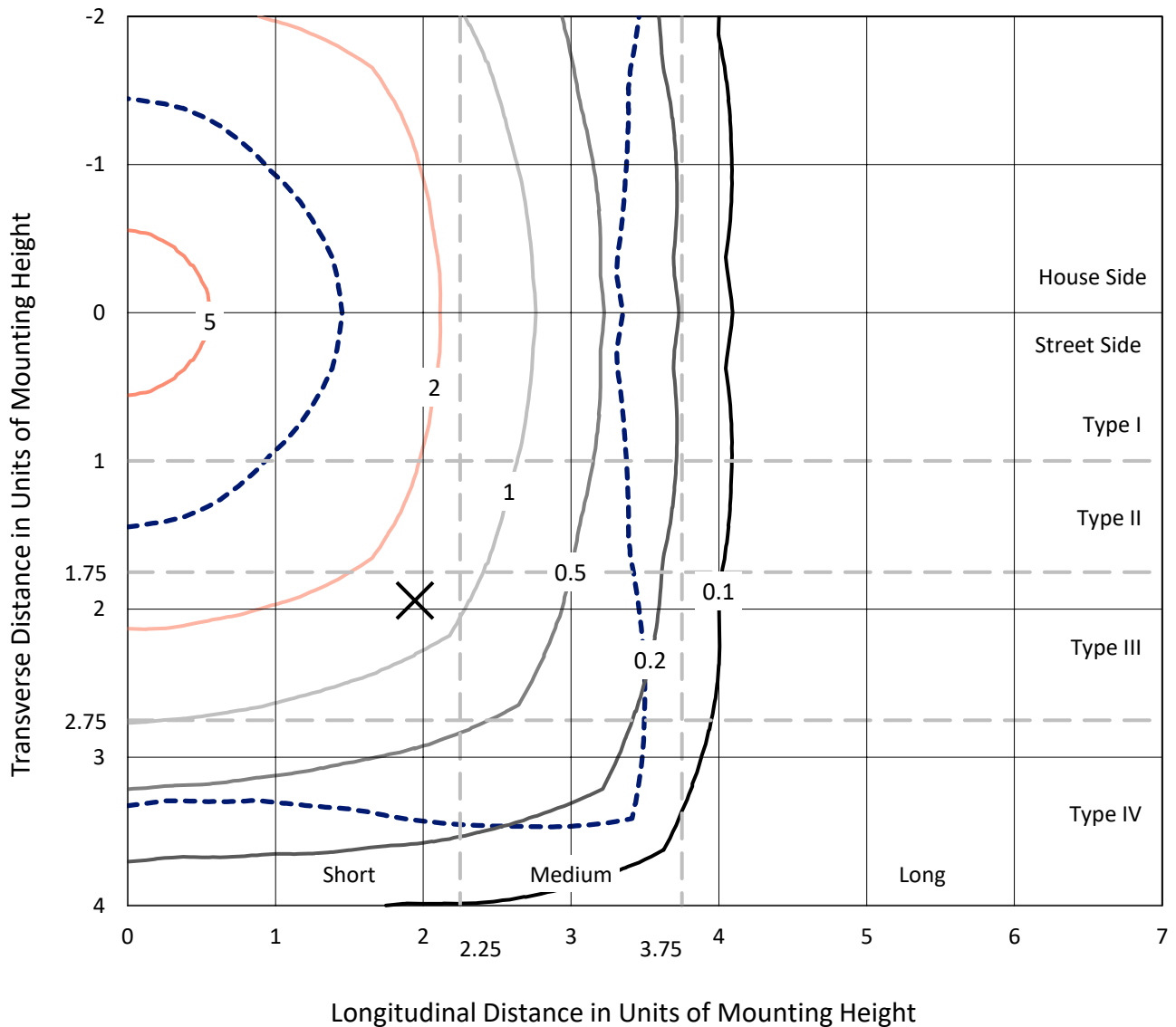
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

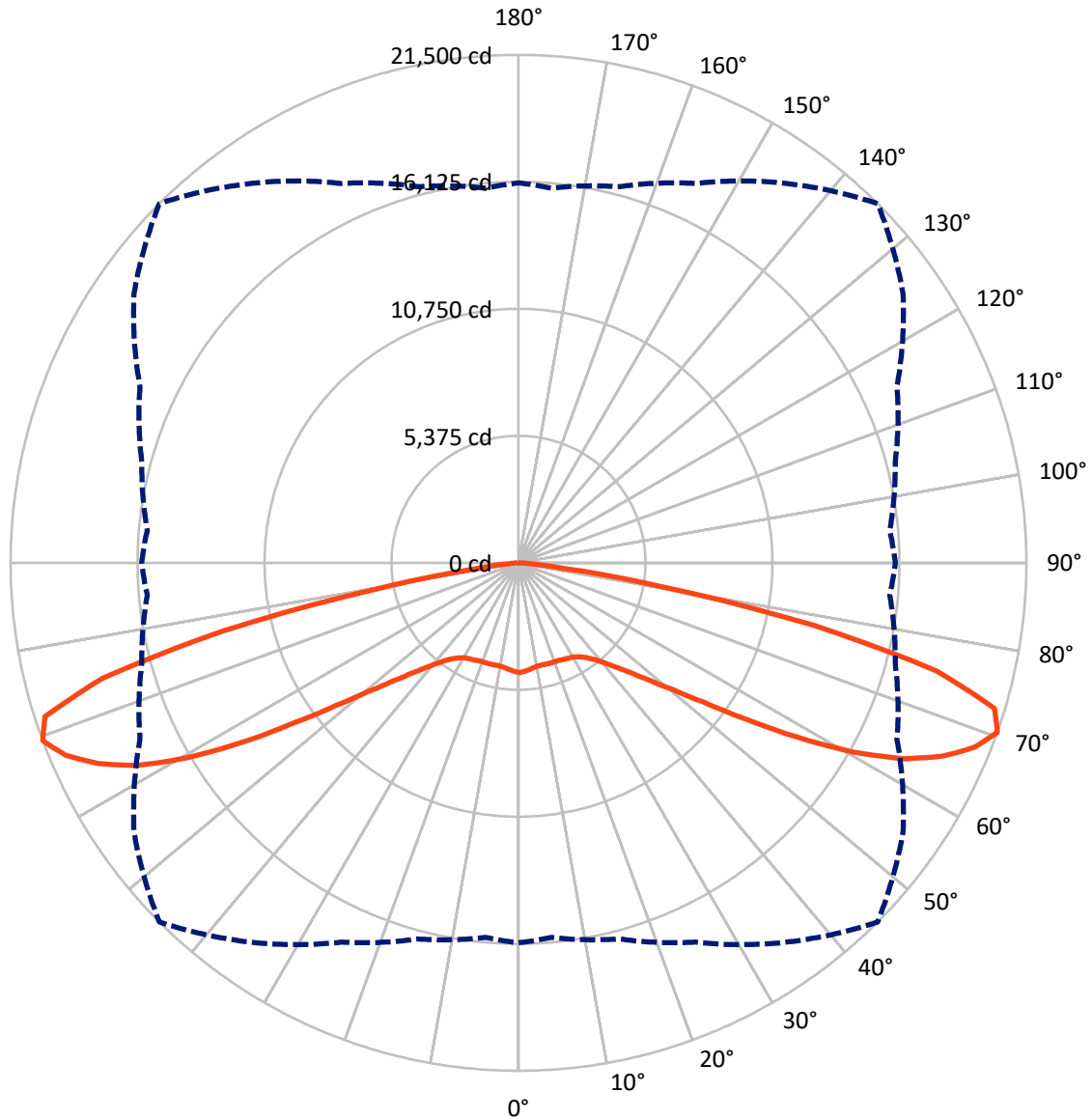
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 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	25455.0	0.0	25455.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25455.0	0.0	25455.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	50910.0	0.0	50910.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	432.0	0.8
10°-20°	1268.5	2.5
20°-30°	2110.9	4.1
30°-40°	3192.3	6.3
40°-50°	5304.9	10.4
50°-60°	10010.2	19.7
60°-70°	16902.6	33.2
70°-80°	11106.7	21.8
80°-90°	581.9	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°	50910.0	100.0
0°-180°	50910.0	100.0

Coefficient of Utilization

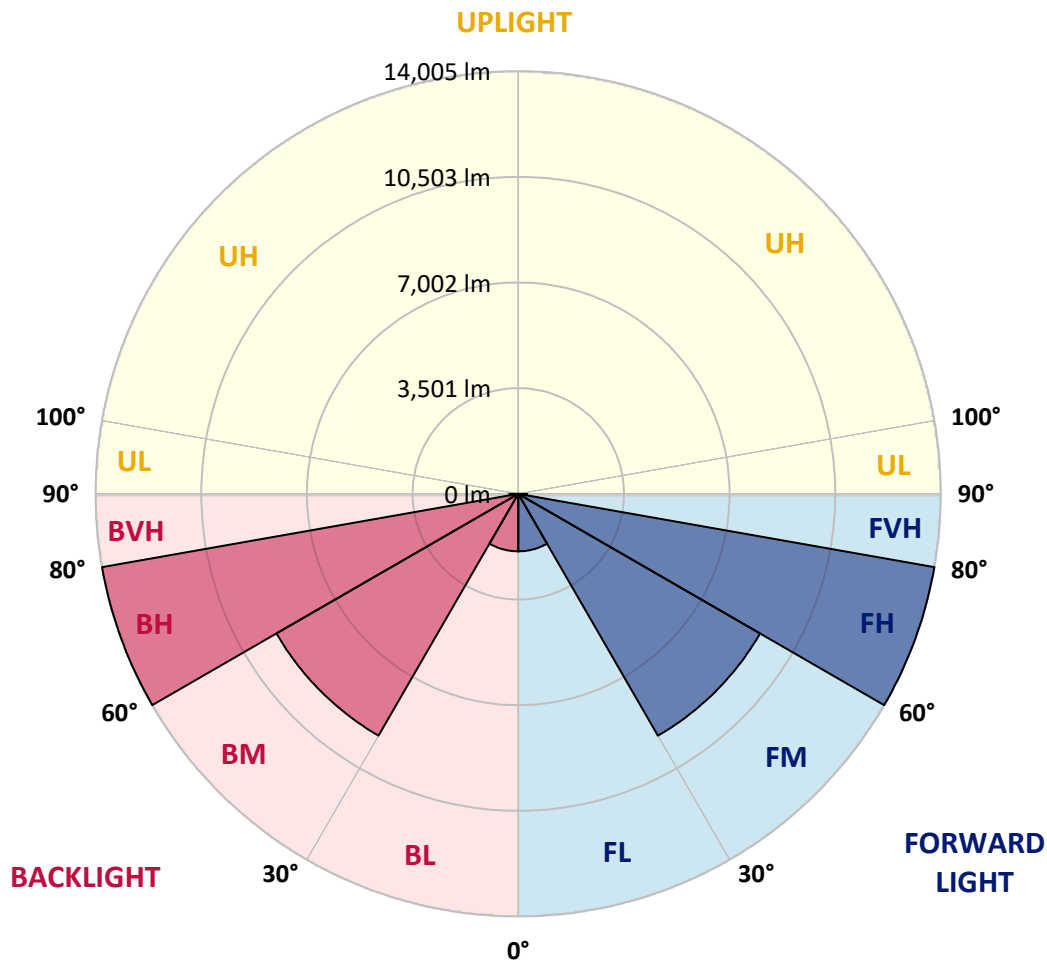


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1905.7	3.7			
FM (30°-60°)	9253.7	18.2			
FH (60°-80°)	14004.7	27.5			G5
FVH (80°-90°)	290.9	0.6			G3/500
BL (0°-30°)	1905.7	3.7	B3/2500		
BM (30°-60°)	9253.7	18.2	B5		
BH (60°-80°)	14004.7	27.5	B5		G5
BVH (80°-90°)	290.9	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°	4644.0	4644.0	4644.0	4644.0	4644.0	4644.0	4644.0	4644.0	4644.0	4644.0
2.5°	4614.9	4628.1	4622.8	4612.3	4612.3	4604.3	4612.3	4617.6	4625.5	4630.8
5°	4554.0	4564.6	4562.0	4554.0	4556.7	4548.8	4554.0	4562.0	4567.3	4569.9
7.5°	4501.1	4511.7	4506.4	4493.2	4493.2	4485.2	4487.9	4495.8	4503.8	4506.4
10°	4487.9	4498.5	4482.6	4461.4	4453.5	4442.9	4445.6	4453.5	4469.4	4477.3
12.5°	4493.2	4501.1	4485.2	4453.5	4445.6	4435.0	4435.0	4442.9	4464.1	4474.7
15°	4509.1	4517.0	4493.2	4458.8	4450.8	4442.9	4440.3	4450.8	4474.7	4493.2
17.5°	4538.2	4546.1	4509.1	4461.4	4450.8	4453.5	4450.8	4458.8	4495.8	4530.2
20°	4564.6	4569.9	4519.6	4461.4	4450.8	4453.5	4450.8	4466.7	4514.4	4562.0
22.5°	4572.6	4577.9	4530.2	4480.0	4472.0	4474.7	4472.0	4487.9	4532.9	4580.5
25°	4575.2	4583.2	4546.1	4506.4	4519.6	4524.9	4519.6	4522.3	4556.7	4599.0
27.5°	4614.9	4625.5	4591.1	4556.7	4564.6	4562.0	4569.9	4577.9	4604.3	4646.7
30°	4696.9	4704.9	4675.8	4641.4	4636.1	4617.6	4641.4	4667.8	4696.9	4734.0
32.5°	4831.9	4847.8	4810.7	4773.7	4749.9	4739.3	4757.8	4802.8	4842.5	4882.2
35°	5056.8	5067.4	5033.0	4964.2	4921.9	4921.9	4937.7	4996.0	5059.5	5109.7
37.5°	5374.4	5387.6	5326.7	5244.7	5181.2	5181.2	5202.4	5263.2	5358.5	5429.9
40°	5760.7	5779.2	5702.5	5617.8	5556.9	5546.4	5572.8	5641.6	5731.6	5821.6
42.5°	6226.4	6247.6	6147.0	6072.9	6025.3	6025.3	6038.5	6102.1	6184.1	6295.2
45°	6821.8	6858.9	6721.3	6647.2	6602.2	6612.8	6620.7	6676.3	6750.4	6877.4
47.5°	7531.0	7568.0	7422.5	7345.7	7337.8	7388.1	7356.3	7396.0	7435.7	7581.3
50°	8335.4	8398.9	8298.4	8293.1	8309.0	8401.6	8327.5	8348.6	8303.7	8396.3
52.5°	9319.8	9412.4	9393.9	9425.6	9602.9	9793.5	9624.1	9550.0	9380.6	9409.8
55°	10513.2	10653.5	10679.9	10870.4	11272.7	11661.6	11301.8	11002.7	10642.9	10576.7
57.5°	11870.7	11981.8	12108.8	12497.8	13249.3	13940.0	13249.3	12587.8	12021.5	11886.6
60°	13331.4	13469.0	13590.7	14164.9	15281.6	16252.7	15260.4	14209.9	13461.0	13278.4
62.5°	14900.5	15077.8	15162.5	15800.2	17102.2	18261.2	17120.7	15847.9	15017.0	14821.2
65°	16406.2	16551.8	16647.0	17327.1	18570.8	19732.4	18655.5	17401.2	16546.5	16289.8
67.5°	17107.4	17186.8	17419.7	18189.7	19502.2	20828.0	19724.5	18271.8	17316.5	16866.6
70°	16080.7	15919.3	16480.3	17713.4	19613.4	21500.1	19867.4	17676.4	16506.8	15776.4
72.5°	12426.4	12148.5	13122.3	15231.3	18343.2	21071.4	18470.2	15350.4	13728.3	12246.4
75°	6760.9	6446.1	7790.3	10457.6	14628.0	18263.8	14964.1	10756.7	8674.1	6710.7
77.5°	1907.9	1788.8	2873.7	5059.5	8798.5	12823.3	9137.2	5170.6	3408.3	2021.7
80°	584.8	566.3	767.4	1524.2	3736.4	6141.7	3590.8	1542.7	976.4	616.6
82.5°	346.6	317.5	381.0	555.7	952.6	1929.1	926.2	579.5	465.7	312.2
85°	198.5	185.2	224.9	269.9	320.2	410.2	267.3	275.2	248.7	166.7
87.5°	82.0	74.1	87.3	84.7	74.1	95.3	71.4	84.7	100.6	66.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4644.0
4628.1
4569.9
4506.4
4477.3
4477.3
4495.8
4530.2
4564.6
4580.5
4596.4
4636.1
4726.0
4866.3
5091.2
5403.5
5792.5
6287.3
6872.1
7538.9
8340.7
9311.8
10473.5
11791.3
13119.7
14662.4
16162.8
16871.9
15951.1
12614.3
7147.3
2246.6
651.0
338.7
174.6
60.9
0.0

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