

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: P851411

Luminaire Tested: **GLAN-SB9B-850-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851411
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-850-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44546 lumens
Efficiency: N/A
Efficacy: 135.2 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

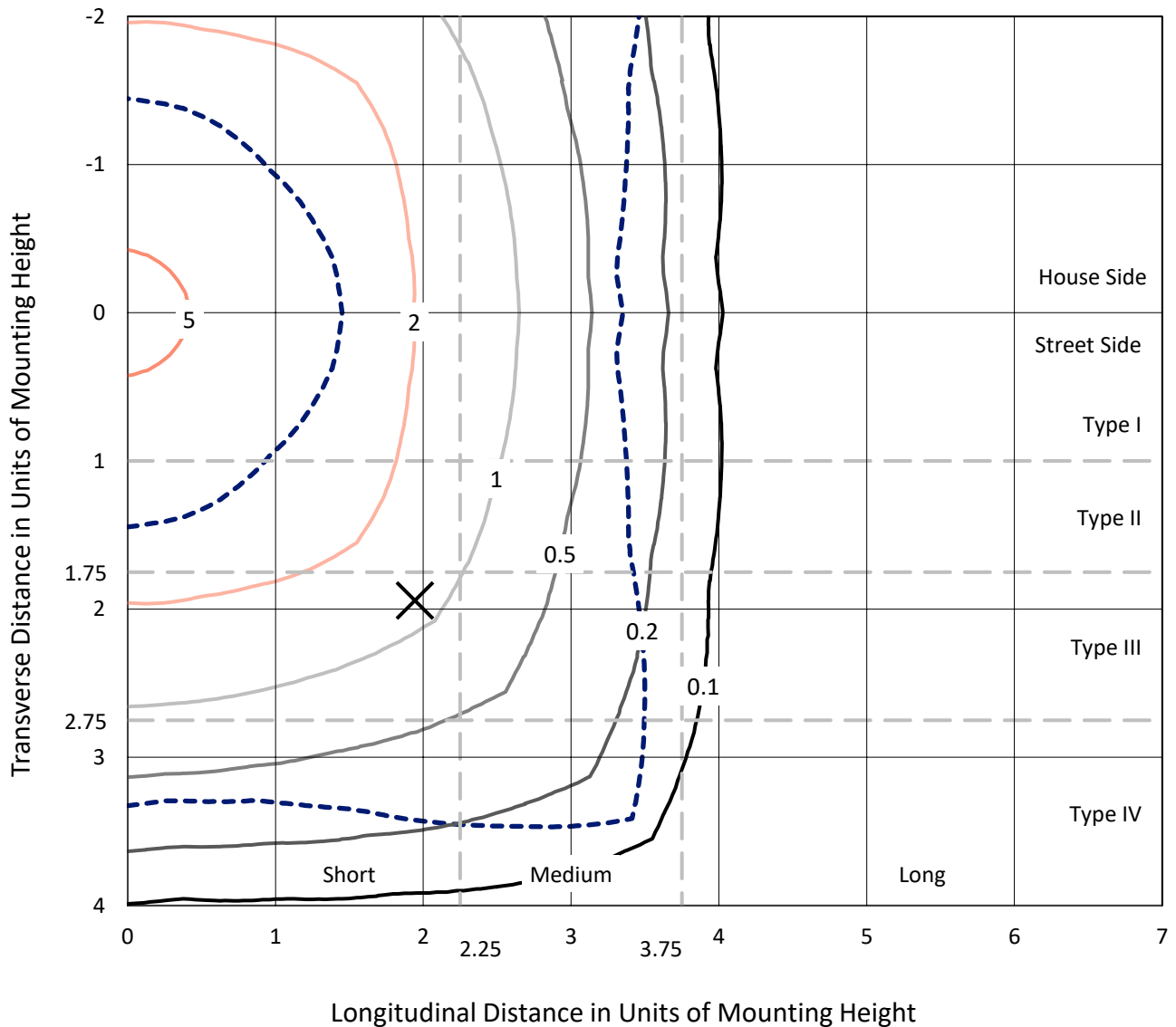
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

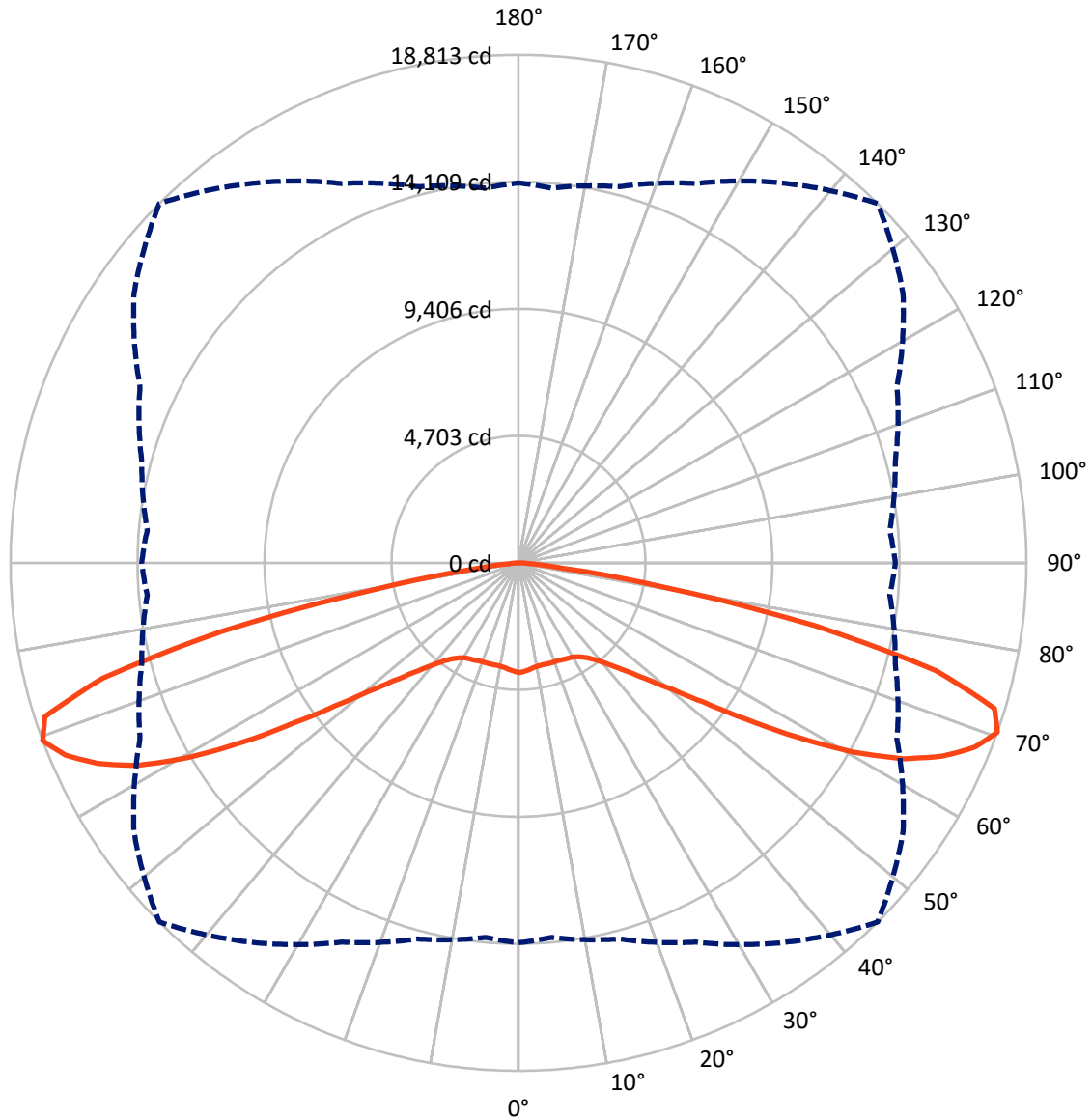


Based on 25 foot mounting height. Maximum calculated value = 6.5 fc

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	22273.0	0.0	22273.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	22273.0	0.0	22273.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	44546.0	0.0	44546.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.0	0.8
10°-20°	1109.9	2.5
20°-30°	1847.0	4.1
30°-40°	2793.3	6.3
40°-50°	4641.8	10.4
50°-60°	8758.9	19.7
60°-70°	14789.7	33.2
70°-80°	9718.4	21.8
80°-90°	509.1	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°	44546.0	100.0
0°-180°	44546.0	100.0

Coefficient of Utilization



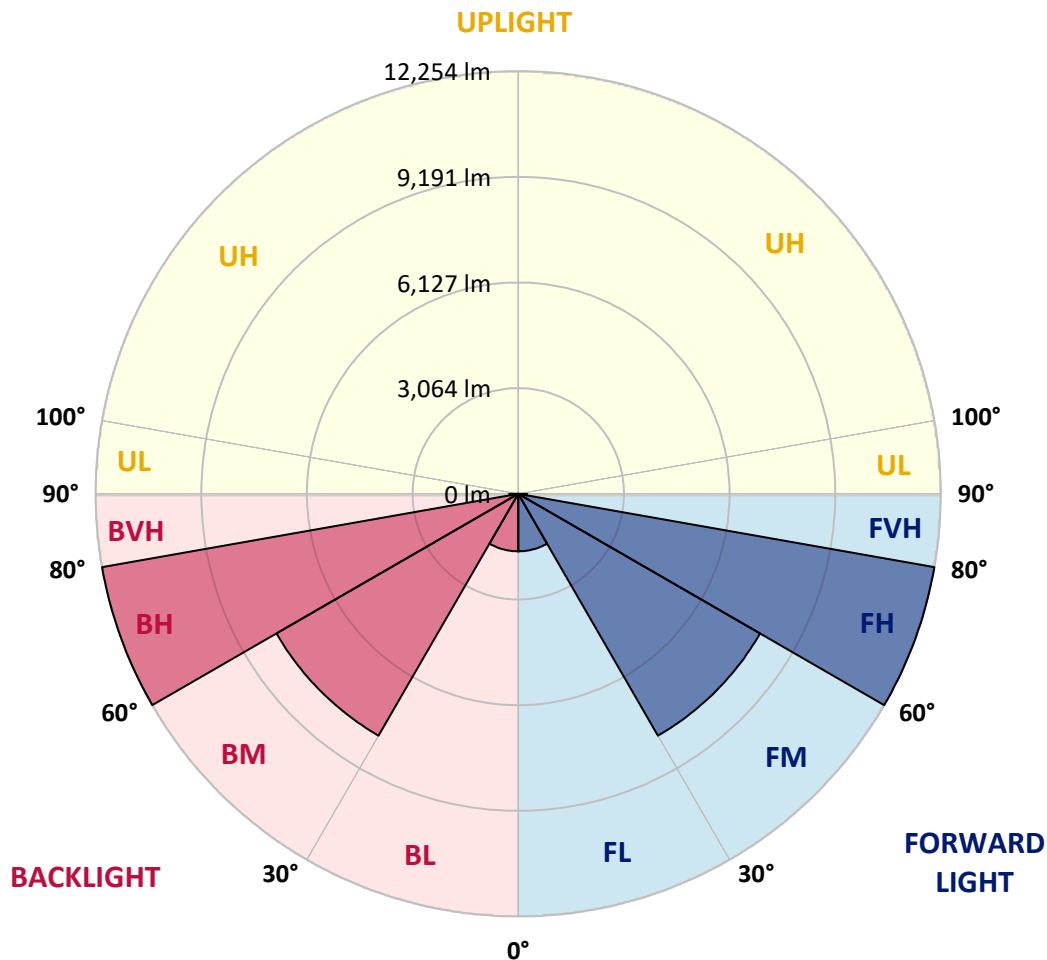
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1667.5	3.7			
FM (30°-60°)	8096.9	18.2			
FH (60°-80°)	12254.0	27.5			G5
FVH (80°-90°)	254.6	0.6			G3/500
BL (0°-30°)	1667.5	3.7	B3/2500		
BM (30°-60°)	8096.9	18.2	B4/8500		
BH (60°-80°)	12254.0	27.5	B5		G5
BVH (80°-90°)	254.6	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°	4063.5	4063.5	4063.5	4063.5	4063.5	4063.5	4063.5	4063.5	4063.5	4063.5
2.5°	4038.0	4049.6	4045.0	4035.7	4035.7	4028.8	4035.7	4040.3	4047.3	4051.9
5°	3984.8	3994.0	3991.7	3984.8	3987.1	3980.1	3984.8	3991.7	3996.3	3998.7
7.5°	3938.5	3947.7	3943.1	3931.5	3931.5	3924.6	3926.9	3933.8	3940.8	3943.1
10°	3926.9	3936.1	3922.3	3903.7	3896.8	3887.5	3889.8	3896.8	3910.7	3917.6
12.5°	3931.5	3938.5	3924.6	3896.8	3889.8	3880.6	3880.6	3887.5	3906.0	3915.3
15°	3945.4	3952.4	3931.5	3901.4	3894.5	3887.5	3885.2	3894.5	3915.3	3931.5
17.5°	3970.9	3977.8	3945.4	3903.7	3894.5	3896.8	3894.5	3901.4	3933.8	3963.9
20°	3994.0	3998.7	3954.7	3903.7	3894.5	3896.8	3894.5	3908.4	3950.0	3991.7
22.5°	4001.0	4005.6	3963.9	3919.9	3913.0	3915.3	3913.0	3926.9	3966.2	4007.9
25°	4003.3	4010.2	3977.8	3943.1	3954.7	3959.3	3954.7	3957.0	3987.1	4024.1
27.5°	4038.0	4047.3	4017.2	3987.1	3994.0	3991.7	3998.7	4005.6	4028.8	4065.8
30°	4109.8	4116.7	4091.3	4061.2	4056.5	4040.3	4061.2	4084.3	4109.8	4142.2
32.5°	4227.9	4241.8	4209.4	4176.9	4156.1	4146.8	4163.1	4202.4	4237.1	4271.9
35°	4424.7	4434.0	4403.9	4343.7	4306.6	4306.6	4320.5	4371.4	4427.0	4471.0
37.5°	4702.5	4714.1	4660.9	4589.1	4533.5	4533.5	4552.0	4605.3	4688.6	4751.2
40°	5040.6	5056.8	4989.6	4915.6	4862.3	4853.0	4876.2	4936.4	5015.1	5093.8
42.5°	5448.1	5466.6	5378.6	5313.8	5272.1	5272.1	5283.7	5339.3	5411.0	5508.3
45°	5969.0	6001.5	5881.1	5816.2	5776.9	5786.1	5793.1	5841.7	5906.5	6017.7
47.5°	6589.6	6622.0	6494.6	6427.5	6420.5	6464.5	6436.8	6471.5	6506.2	6633.6
50°	7293.4	7349.0	7261.0	7256.4	7270.3	7351.3	7286.5	7305.0	7265.7	7346.7
52.5°	8154.8	8235.8	8219.6	8247.4	8402.5	8569.2	8421.0	8356.2	8208.0	8233.5
55°	9199.0	9321.7	9344.9	9511.6	9863.5	10203.9	9889.0	9627.4	9312.5	9254.6
57.5°	10386.8	10484.0	10595.2	10935.5	11593.1	12197.4	11593.1	11014.3	10518.8	10400.7
60°	11664.9	11785.3	11891.8	12394.2	13371.3	14221.1	13352.8	12433.6	11778.3	11618.6
62.5°	13037.9	13193.0	13267.1	13825.1	14964.3	15978.4	14980.5	13866.8	13139.8	12968.4
65°	14355.4	14482.7	14566.1	15161.1	16249.3	17265.8	16323.4	15225.9	14478.1	14253.5
67.5°	14968.9	15038.4	15242.1	15915.9	17064.4	18224.4	17258.8	15987.7	15151.8	14758.2
70°	14070.6	13929.3	14420.2	15499.2	17161.6	18812.5	17383.9	15466.7	14443.3	13804.3
72.5°	10873.0	10629.9	11482.0	13327.3	16050.2	18437.4	16161.4	13431.5	12012.2	10715.6
75°	5915.8	5640.3	6816.5	9150.4	12799.4	15980.8	13093.5	9412.0	7589.8	5871.8
77.5°	1669.4	1565.2	2514.5	4427.0	7698.6	11220.3	7995.0	4524.3	2982.2	1769.0
80°	511.7	495.5	671.5	1333.7	3269.3	5374.0	3142.0	1349.9	854.4	539.5
82.5°	303.3	277.8	333.4	486.2	833.5	1687.9	810.4	507.1	407.5	273.2
85°	173.7	162.1	196.8	236.2	280.2	358.9	233.9	240.8	217.6	145.9
87.5°	71.8	64.8	76.4	74.1	64.8	83.4	62.5	74.1	88.0	57.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4063.5
4049.6
3998.7
3943.1
3917.6
3917.6
3933.8
3963.9
3994.0
4007.9
4021.8
4056.5
4135.3
4258.0
4454.8
4728.0
5068.4
5501.3
6013.0
6596.5
7298.1
8147.8
9164.3
10317.3
11479.7
12829.5
14142.3
14762.9
13957.1
11037.4
6253.8
1965.8
569.6
296.4
152.8
53.3
0.0

OF REPORT)