

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: P851391

Luminaire Tested: **GLAN-SB9B-835-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851391
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-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 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: 42955 lumens
Efficiency: N/A
Efficacy: 130.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

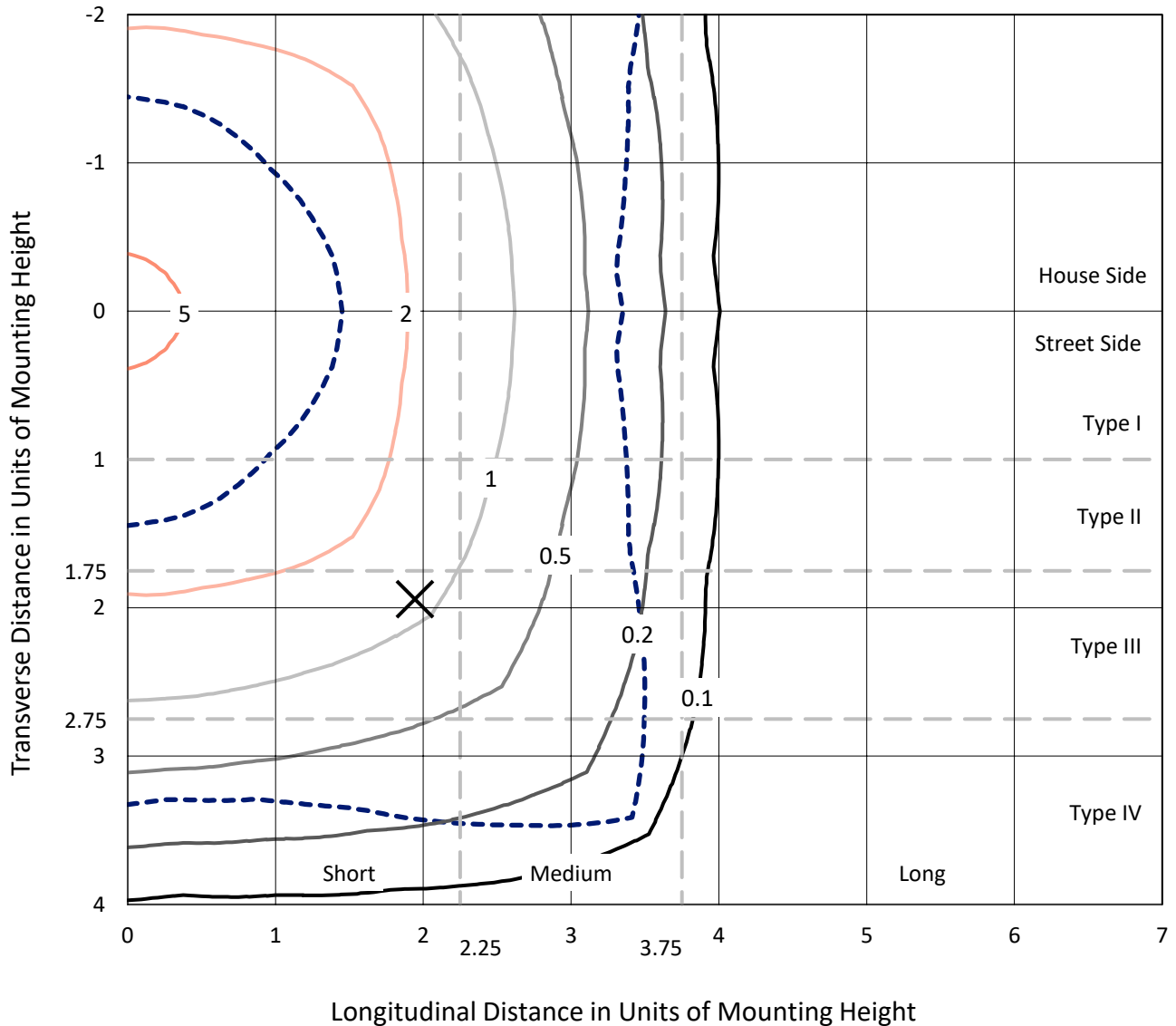
Input Watts (W): 329.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

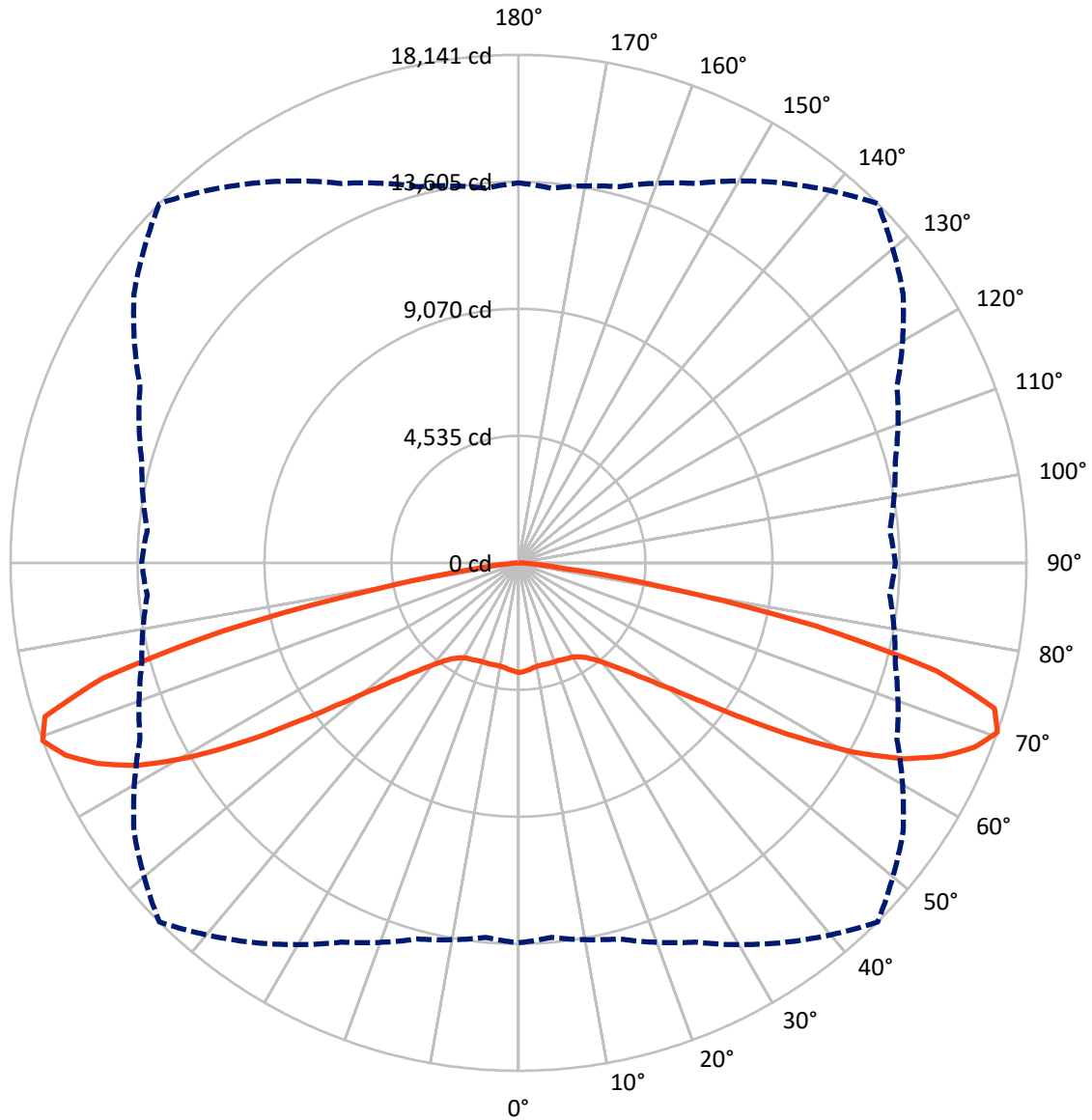
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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	21477.5	0.0	21477.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21477.5	0.0	21477.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	42955.0	0.0	42955.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.5	0.8
10°-20°	1070.3	2.5
20°-30°	1781.1	4.1
30°-40°	2693.5	6.3
40°-50°	4476.0	10.4
50°-60°	8446.0	19.7
60°-70°	14261.5	33.2
70°-80°	9371.3	21.8
80°-90°	491.0	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°	42955.0	100.0
0°-180°	42955.0	100.0

Coefficient of Utilization



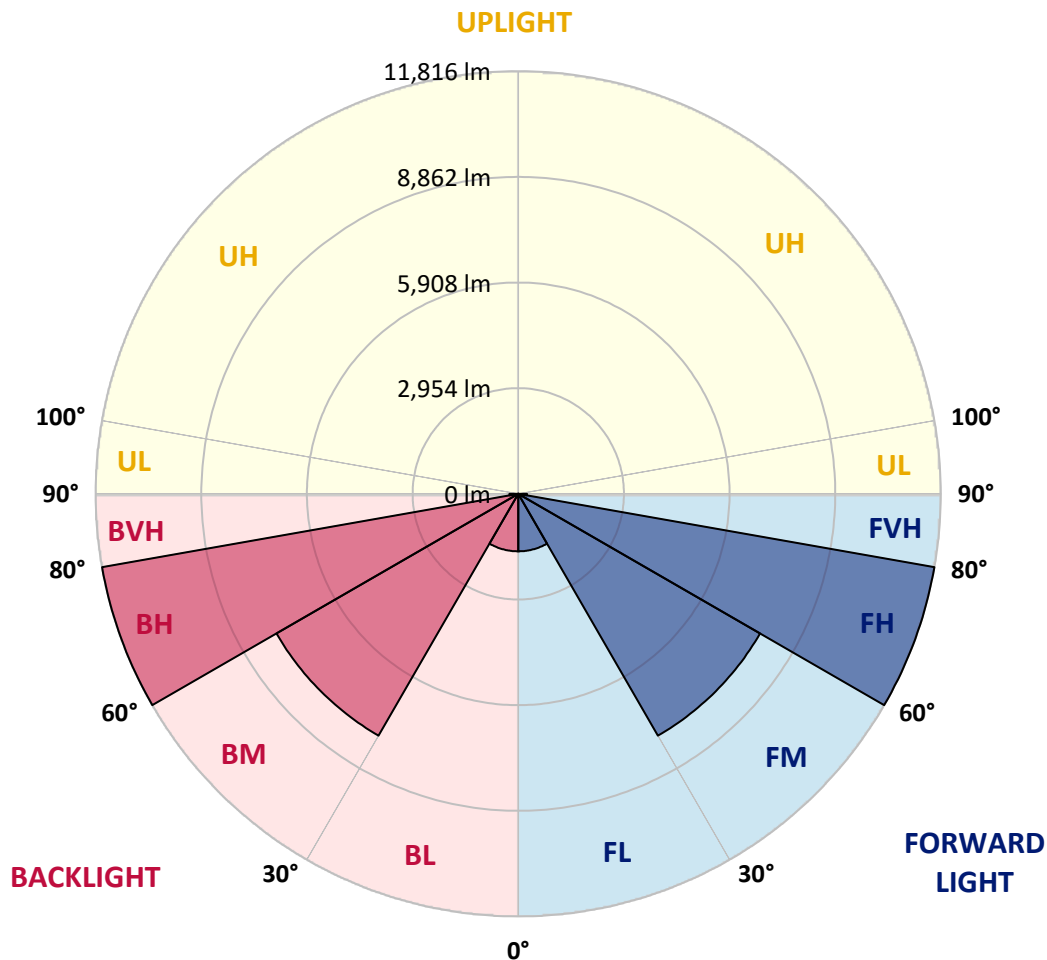
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1607.9	3.7			
FM (30°-60°)	7807.8	18.2			
FH (60°-80°)	11816.4	27.5			G4/12000
FVH (80°-90°)	245.5	0.6			G3/500
BL (0°-30°)	1607.9	3.7	B3/2500		
BM (30°-60°)	7807.8	18.2	B4/8500		
BH (60°-80°)	11816.4	27.5	B5		G4/12000
BVH (80°-90°)	245.5	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°	3918.4	3918.4	3918.4	3918.4	3918.4	3918.4	3918.4	3918.4	3918.4	3918.4
2.5°	3893.8	3905.0	3900.5	3891.6	3891.6	3884.9	3891.6	3896.0	3902.7	3907.2
5°	3842.4	3851.4	3849.1	3842.4	3844.7	3838.0	3842.4	3849.1	3853.6	3855.8
7.5°	3797.8	3806.7	3802.3	3791.1	3791.1	3784.4	3786.6	3793.3	3800.0	3802.3
10°	3786.6	3795.6	3782.2	3764.3	3757.6	3748.7	3750.9	3757.6	3771.0	3777.7
12.5°	3791.1	3797.8	3784.4	3757.6	3750.9	3742.0	3742.0	3748.7	3766.5	3775.5
15°	3804.5	3811.2	3791.1	3762.1	3755.4	3748.7	3746.4	3755.4	3775.5	3791.1
17.5°	3829.1	3835.8	3804.5	3764.3	3755.4	3757.6	3755.4	3762.1	3793.3	3822.4
20°	3851.4	3855.8	3813.4	3764.3	3755.4	3757.6	3755.4	3768.8	3809.0	3849.1
22.5°	3858.1	3862.5	3822.4	3779.9	3773.2	3775.5	3773.2	3786.6	3824.6	3864.8
25°	3860.3	3867.0	3835.8	3802.3	3813.4	3817.9	3813.4	3815.7	3844.7	3880.4
27.5°	3893.8	3902.7	3873.7	3844.7	3851.4	3849.1	3855.8	3862.5	3884.9	3920.6
30°	3963.0	3969.7	3945.2	3916.1	3911.7	3896.0	3916.1	3938.5	3963.0	3994.3
32.5°	4076.9	4090.3	4059.0	4027.8	4007.7	3998.7	4014.4	4052.3	4085.8	4119.3
35°	4266.7	4275.6	4246.6	4188.5	4152.8	4152.8	4166.2	4215.3	4268.9	4311.3
37.5°	4534.6	4545.7	4494.4	4425.2	4371.6	4371.6	4389.5	4440.8	4521.2	4581.5
40°	4860.6	4876.2	4811.4	4740.0	4688.6	4679.7	4702.0	4760.1	4836.0	4911.9
42.5°	5253.5	5271.4	5186.5	5124.0	5083.8	5083.8	5095.0	5148.6	5217.8	5311.6
45°	5755.9	5787.1	5671.0	5608.5	5570.5	5579.5	5586.2	5633.1	5695.6	5802.7
47.5°	6354.2	6385.5	6262.7	6197.9	6191.2	6233.7	6206.9	6240.4	6273.8	6396.6
50°	7033.0	7086.5	7001.7	6997.2	7010.6	7088.8	7026.3	7044.1	7006.2	7084.3
52.5°	7863.5	7941.7	7926.0	7952.8	8102.4	8263.2	8120.3	8057.8	7914.9	7939.4
55°	8870.5	8988.8	9011.1	9171.9	9511.2	9839.4	9535.8	9283.5	8979.9	8924.0
57.5°	10015.8	10109.6	10216.8	10545.0	11179.0	11761.8	11179.0	10620.9	10143.1	10029.2
60°	11248.3	11364.4	11467.1	11951.6	12893.8	13713.1	12875.9	11989.5	11357.7	11203.6
62.5°	12572.2	12721.8	12793.3	13331.4	14429.8	15407.8	14445.5	13371.5	12670.5	12505.3
65°	13842.6	13965.4	14045.8	14619.6	15669.0	16649.1	15740.4	14682.1	13961.0	13744.4
67.5°	14434.3	14501.3	14697.8	15347.5	16454.9	17573.5	16642.4	15416.7	14610.7	14231.1
70°	13568.0	13431.8	13905.2	14945.6	16548.7	18140.6	16763.0	14914.3	13927.5	13311.3
72.5°	10484.7	10250.3	11071.9	12851.3	15477.0	17778.9	15584.1	12951.8	11583.2	10332.9
75°	5704.5	5438.8	6573.0	8823.6	12342.3	15410.0	12625.8	9075.9	7318.7	5662.1
77.5°	1609.8	1509.3	2424.7	4268.9	7423.7	10819.6	7709.5	4362.7	2875.7	1705.8
80°	493.4	477.8	647.5	1286.0	3152.6	5182.1	3029.8	1301.7	823.9	520.2
82.5°	292.5	267.9	321.5	468.9	803.8	1627.6	781.4	489.0	393.0	263.5
85°	167.5	156.3	189.8	227.7	270.2	346.1	225.5	232.2	209.9	140.7
87.5°	69.2	62.5	73.7	71.4	62.5	80.4	60.3	71.4	84.8	55.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3918.4
3905.0
3855.8
3802.3
3777.7
3777.7
3793.3
3822.4
3851.4
3864.8
3878.2
3911.7
3987.6
4105.9
4295.7
4559.1
4887.3
5304.9
5798.3
6360.9
7037.4
7856.8
8837.0
9948.8
11069.6
12371.3
13637.2
14235.6
13458.6
10643.2
6030.5
1895.5
549.2
285.8
147.4
51.4
0.0

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