

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: P849521

Luminaire Tested: **GLAN-SB6C-835-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849521  
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-SB6C-835-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 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: 38035 lumens  
Efficiency: N/A  
Efficacy: 126.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

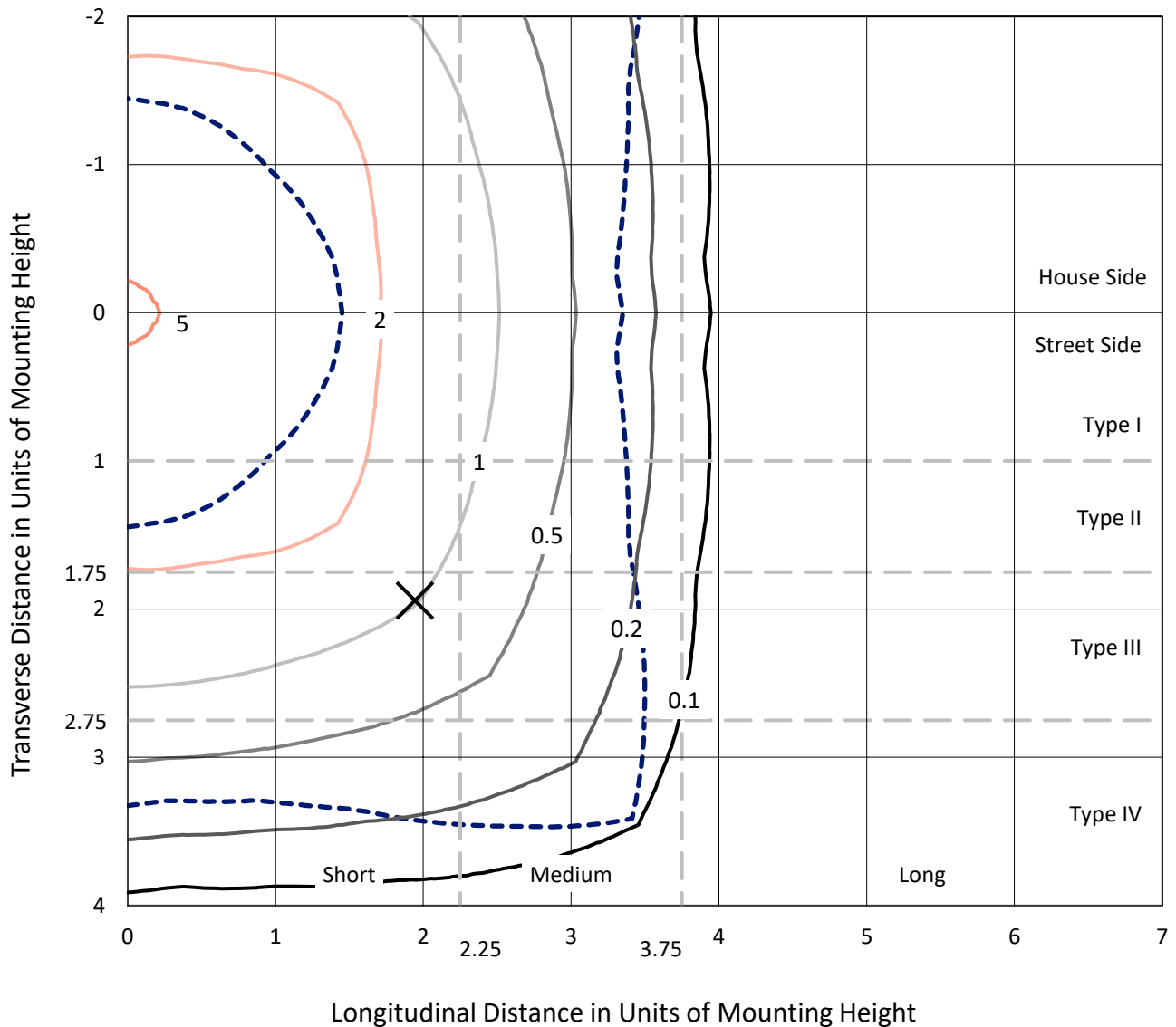
Input Watts (W): 300.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

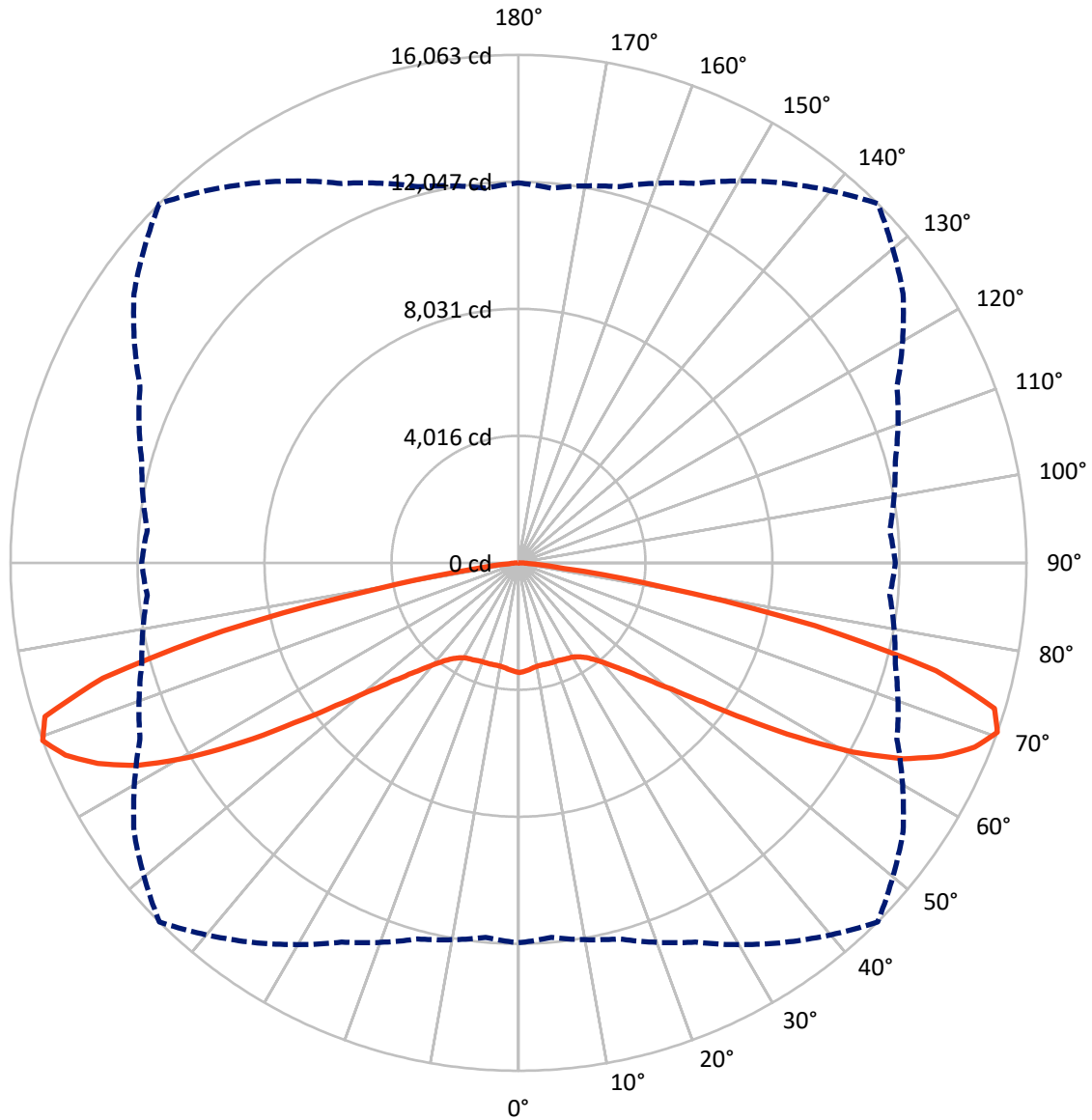
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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
<b>House Side</b>	Lumens	19017.5	0.0	19017.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	19017.5	0.0	19017.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	38035.0	0.0	38035.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	322.8	0.8
10°-20°	947.7	2.5
20°-30°	1577.1	4.1
30°-40°	2385.0	6.3
40°-50°	3963.3	10.4
50°-60°	7478.6	19.7
60°-70°	12628.0	33.2
70°-80°	8297.9	21.8
80°-90°	434.7	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°	38035.0	100.0
0°-180°	38035.0	100.0

**Coefficient of Utilization**



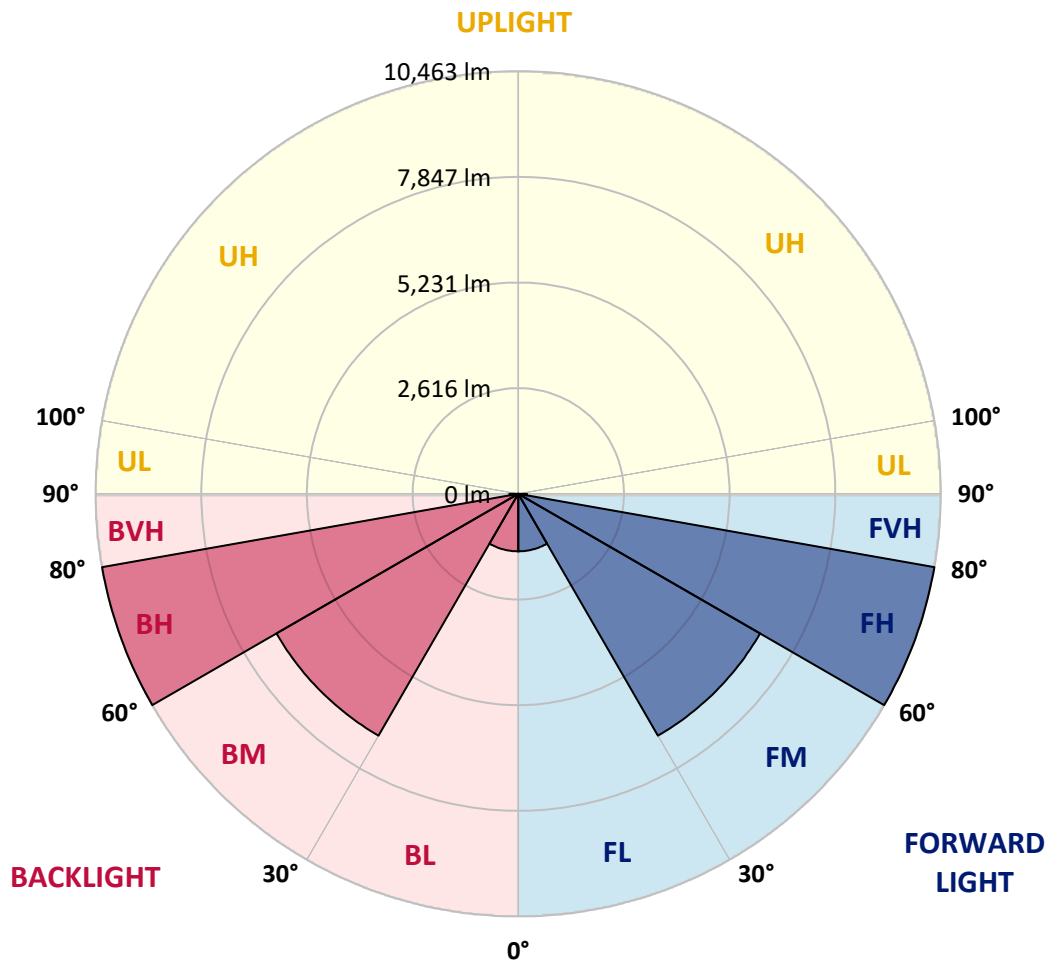
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1423.7	3.7			
FM (30°-60°)	6913.5	18.2			
FH (60°-80°)	10462.9	27.5			G4/12000
FVH (80°-90°)	217.4	0.6			G2/225
BL (0°-30°)	1423.7	3.7	B3/2500		
BM (30°-60°)	6913.5	18.2	B4/8500		
BH (60°-80°)	10462.9	27.5	B5		G4/12000
BVH (80°-90°)	217.4	0.6			G2/225
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°	3469.6	3469.6	3469.6	3469.6	3469.6	3469.6	3469.6	3469.6	3469.6	3469.6
2.5°	3447.8	3457.7	3453.7	3445.8	3445.8	3439.9	3445.8	3449.8	3455.7	3459.7
5°	3402.3	3410.2	3408.3	3402.3	3404.3	3398.4	3402.3	3408.3	3412.2	3414.2
7.5°	3362.8	3370.7	3366.8	3356.9	3356.9	3350.9	3352.9	3358.8	3364.8	3366.8
10°	3352.9	3360.8	3349.0	3333.1	3327.2	3319.3	3321.3	3327.2	3339.1	3345.0
12.5°	3356.9	3362.8	3350.9	3327.2	3321.3	3313.4	3313.4	3319.3	3335.1	3343.0
15°	3368.7	3374.7	3356.9	3331.2	3325.2	3319.3	3317.3	3325.2	3343.0	3356.9
17.5°	3390.5	3396.4	3368.7	3333.1	3325.2	3327.2	3325.2	3331.2	3358.8	3384.5
20°	3410.2	3414.2	3376.6	3333.1	3325.2	3327.2	3325.2	3337.1	3372.7	3408.3
22.5°	3416.2	3420.1	3384.5	3347.0	3341.1	3343.0	3341.1	3352.9	3386.5	3422.1
25°	3418.2	3424.1	3396.4	3366.8	3376.6	3380.6	3376.6	3378.6	3404.3	3435.9
27.5°	3447.8	3455.7	3430.0	3404.3	3410.2	3408.3	3414.2	3420.1	3439.9	3471.5
30°	3509.1	3515.0	3493.3	3467.6	3463.6	3449.8	3467.6	3487.4	3509.1	3536.8
32.5°	3609.9	3621.8	3594.1	3566.4	3548.6	3540.7	3554.6	3588.2	3617.8	3647.5
35°	3778.0	3785.9	3760.2	3708.8	3677.1	3677.1	3689.0	3732.5	3779.9	3817.5
37.5°	4015.2	4025.1	3979.6	3918.3	3870.9	3870.9	3886.7	3932.2	4003.3	4056.7
40°	4303.8	4317.7	4260.3	4197.1	4151.6	4143.7	4163.5	4214.9	4282.1	4349.3
42.5°	4651.8	4667.6	4592.5	4537.1	4501.5	4501.5	4511.4	4558.9	4620.1	4703.2
45°	5096.6	5124.3	5021.5	4966.1	4932.5	4940.4	4946.3	4987.9	5043.2	5138.1
47.5°	5626.4	5654.1	5545.4	5488.0	5482.1	5519.7	5495.9	5525.6	5555.2	5664.0
50°	6227.4	6274.9	6199.7	6195.8	6207.6	6276.8	6221.5	6237.3	6203.7	6272.9
52.5°	6962.8	7032.0	7018.2	7041.9	7174.4	7316.7	7190.2	7134.8	7008.3	7030.1
55°	7854.4	7959.2	7979.0	8121.3	8421.8	8712.4	8443.6	8220.2	7951.3	7901.9
57.5°	8868.6	8951.7	9046.6	9337.2	9898.6	10414.6	9898.6	9404.4	8981.3	8880.5
60°	9959.9	10062.7	10153.6	10582.6	11416.9	12142.5	11401.1	10616.3	10056.8	9920.4
62.5°	11132.2	11264.7	11328.0	11804.4	12777.1	13643.0	12790.9	11840.0	11219.2	11072.9
65°	12257.1	12365.9	12437.0	12945.1	13874.3	14742.2	13937.5	13000.5	12361.9	12170.1
67.5°	12781.0	12840.3	13014.3	13589.6	14570.2	15560.6	14736.2	13650.9	12937.2	12601.1
70°	12014.0	11893.4	12312.5	13233.7	14653.2	16062.8	14843.0	13206.1	12332.3	11786.6
72.5°	9283.8	9076.2	9803.7	11379.4	13704.3	15742.5	13799.2	11468.3	10256.4	9149.4
75°	5051.1	4815.9	5820.2	7812.9	10928.6	13645.0	11179.7	8036.3	6480.5	5013.6
77.5°	1425.4	1336.4	2147.0	3779.9	6573.4	9580.3	6826.4	3863.0	2546.3	1510.4
80°	436.9	423.1	573.3	1138.7	2791.5	4588.5	2682.7	1152.6	729.5	460.6
82.5°	259.0	237.2	284.7	415.2	711.7	1441.2	691.9	433.0	347.9	233.3
85°	148.3	138.4	168.0	201.6	239.2	306.4	199.7	205.6	185.8	124.5
87.5°	61.3	55.4	65.2	63.3	55.4	71.2	53.4	63.3	75.1	49.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3469.6
3457.7
3414.2
3366.8
3345.0
3345.0
3358.8
3384.5
3410.2
3422.1
3434.0
3463.6
3530.8
3635.6
3803.7
4036.9
4327.6
4697.2
5134.2
5632.3
6231.4
6956.9
7824.8
8809.3
9801.7
10954.3
12075.2
12605.1
<i>11917.1</i>
9424.1
5339.8
1678.4
486.3
253.1
130.5
45.5
0.0

OF REPORT)