

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: P848611

Luminaire Tested: **GLAN-SB5B-735-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848611  
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-SB5B-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 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: 28234 lumens  
Efficiency: N/A  
Efficacy: 154.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

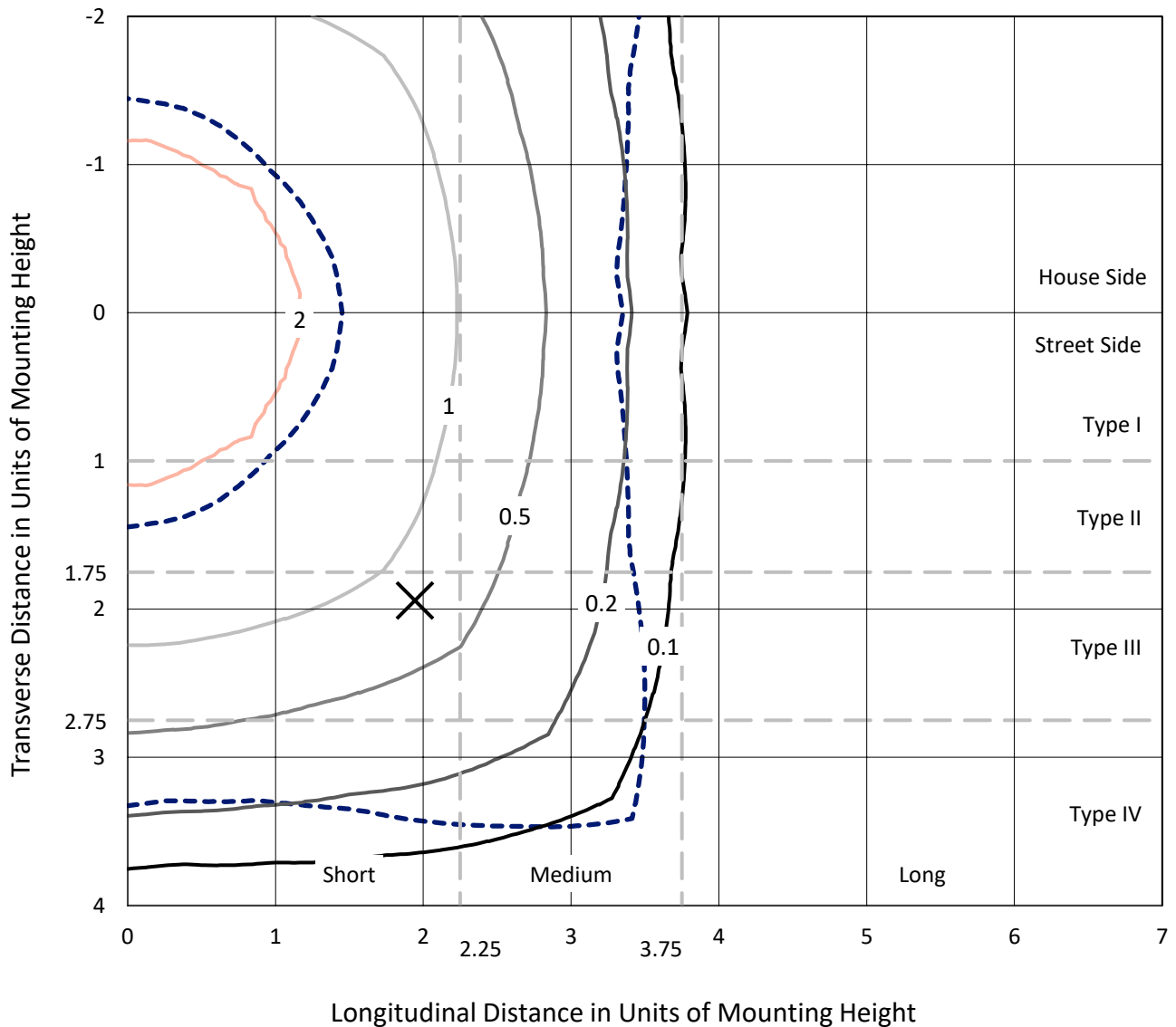
Input Watts (W): 182.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

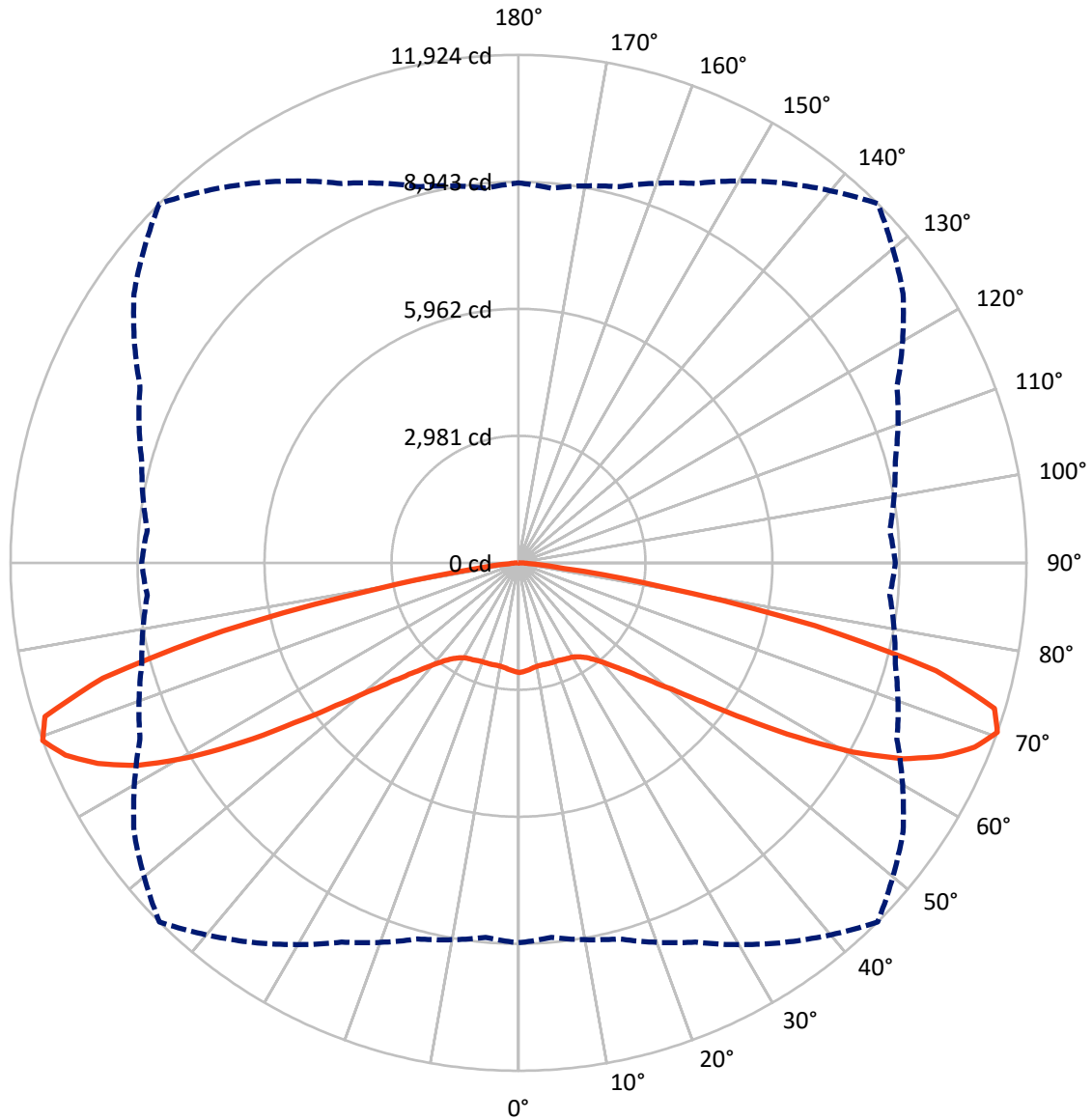
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.1 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	14117.0	0.0	14117.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14117.0	0.0	14117.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	28234.0	0.0	28234.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.6	0.8
10°-20°	703.5	2.5
20°-30°	1170.7	4.1
30°-40°	1770.4	6.3
40°-50°	2942.0	10.4
50°-60°	5551.5	19.7
60°-70°	9373.9	33.2
70°-80°	6159.6	21.8
80°-90°	322.7	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°	28234.0	100.0
0°-180°	28234.0	100.0

**Coefficient of Utilization**

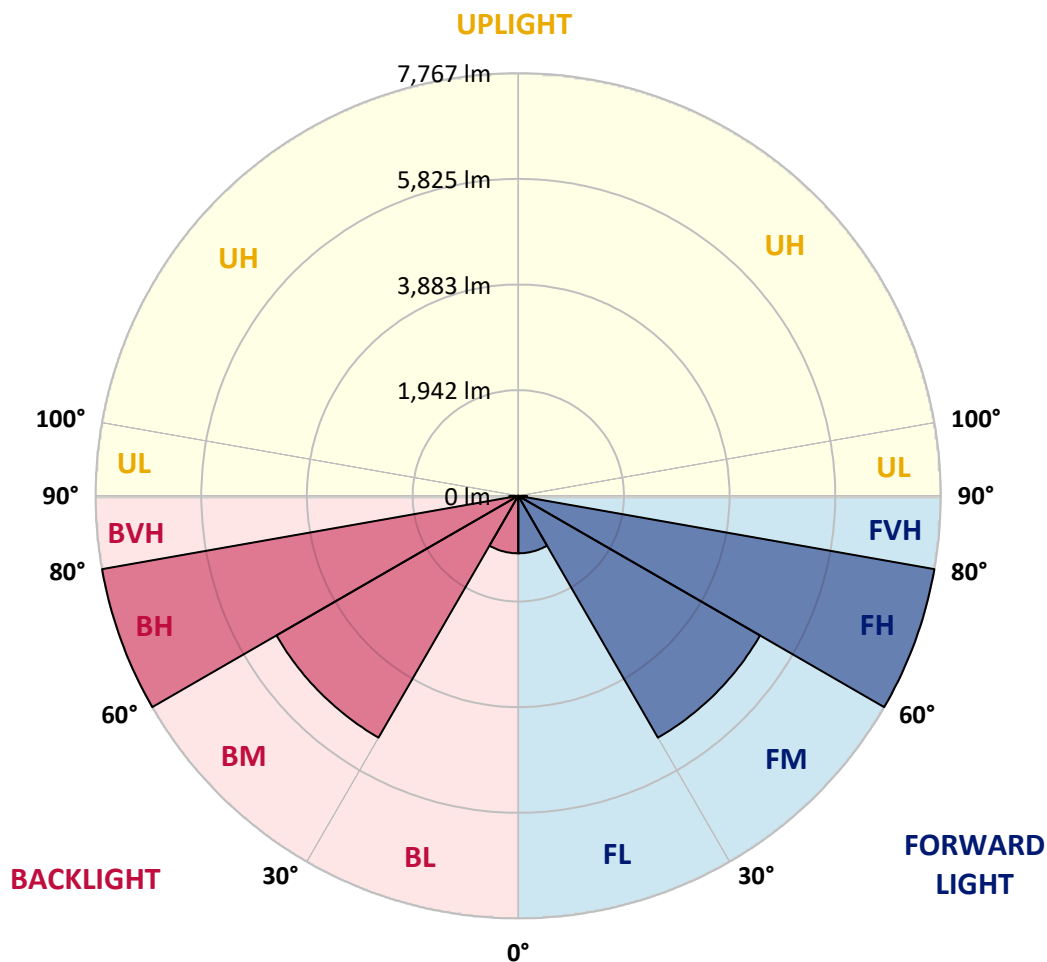


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1056.9	3.7			
FM (30°-60°)	5132.0	18.2			
FH (60°-80°)	7766.8	27.5			G4/12000
FVH (80°-90°)	161.4	0.6			G2/225
BL (0°-30°)	1056.9	3.7	B3/2500		
BM (30°-60°)	5132.0	18.2	B4/8500		
BH (60°-80°)	7766.8	27.5	B5		G4/12000
BVH (80°-90°)	161.4	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°	2575.5	2575.5	2575.5	2575.5	2575.5	2575.5	2575.5	2575.5	2575.5	2575.5
2.5°	2559.4	2566.7	2563.8	2557.9	2557.9	2553.5	2557.9	2560.8	2565.2	2568.2
5°	2525.6	2531.5	2530.0	2525.6	2527.1	2522.7	2525.6	2530.0	2533.0	2534.4
7.5°	2496.3	2502.1	2499.2	2491.9	2491.9	2487.5	2488.9	2493.3	2497.7	2499.2
10°	2488.9	2494.8	2486.0	2474.2	2469.8	2464.0	2465.4	2469.8	2478.7	2483.1
12.5°	2491.9	2496.3	2487.5	2469.8	2465.4	2459.6	2459.6	2464.0	2475.7	2481.6
15°	2500.7	2505.1	2491.9	2472.8	2468.4	2464.0	2462.5	2468.4	2481.6	2491.9
17.5°	2516.8	2521.2	2500.7	2474.2	2468.4	2469.8	2468.4	2472.8	2493.3	2512.4
20°	2531.5	2534.4	2506.5	2474.2	2468.4	2469.8	2468.4	2477.2	2503.6	2530.0
22.5°	2535.9	2538.8	2512.4	2484.5	2480.1	2481.6	2480.1	2488.9	2513.9	2540.3
25°	2537.4	2541.8	2521.2	2499.2	2506.5	2509.5	2506.5	2508.0	2527.1	2550.6
27.5°	2559.4	2565.2	2546.2	2527.1	2531.5	2530.0	2534.4	2538.8	2553.5	2577.0
30°	2604.9	2609.3	2593.1	2574.0	2571.1	2560.8	2574.0	2588.7	2604.9	2625.4
32.5°	2679.7	2688.5	2668.0	2647.4	2634.2	2628.3	2638.6	2663.6	2685.6	2707.6
35°	2804.4	2810.3	2791.2	2753.1	2729.6	2729.6	2738.4	2770.7	2805.9	2833.8
37.5°	2980.5	2987.9	2954.1	2908.6	2873.4	2873.4	2885.2	2918.9	2971.7	3011.4
40°	3194.8	3205.1	3162.5	3115.6	3081.8	3075.9	3090.6	3128.8	3178.7	3228.6
42.5°	3453.1	3464.8	3409.1	3368.0	3341.6	3341.6	3348.9	3384.1	3429.6	3491.2
45°	3783.3	3803.8	3727.5	3686.4	3661.5	3667.3	3671.8	3702.6	3743.7	3814.1
47.5°	4176.6	4197.1	4116.4	4073.9	4069.5	4097.3	4079.7	4101.7	4123.7	4204.5
50°	4622.7	4657.9	4602.2	4599.2	4608.0	4659.4	4618.3	4630.0	4605.1	4656.5
52.5°	5168.6	5220.0	5209.7	5227.3	5325.7	5431.3	5337.4	5296.3	5202.4	5218.5
55°	5830.5	5908.3	5922.9	6028.6	6251.7	6467.4	6267.8	6102.0	5902.4	5865.7
57.5°	6583.3	6645.0	6715.4	6931.1	7347.9	7730.9	7347.9	6981.0	6667.0	6592.1
60°	7393.4	7469.7	7537.2	7855.7	8475.0	9013.5	8463.2	7880.6	7465.3	7364.0
62.5°	8263.6	8362.0	8408.9	8762.6	9484.6	10127.4	9494.9	8789.0	8328.2	8219.6
65°	9098.7	9179.4	9232.2	9609.4	10299.1	10943.3	10346.1	9650.5	9176.4	9034.1
67.5°	9487.6	9531.6	9660.7	10087.8	10815.7	11550.9	10938.9	10133.3	9603.5	9354.0
70°	8918.2	8828.6	9139.8	9823.6	10877.3	11923.7	11018.2	9803.1	9154.4	8749.4
72.5°	6891.5	6737.4	7277.5	8447.1	10172.9	11685.9	10243.3	8513.1	7613.5	6791.7
75°	3749.5	3574.9	4320.4	5799.7	8112.5	10128.9	8298.9	5965.5	4810.6	3721.6
77.5°	1058.1	992.0	1593.7	2805.9	4879.5	7111.6	5067.4	2867.5	1890.2	1121.2
80°	324.3	314.1	425.6	845.3	2072.1	3406.1	1991.4	855.6	541.5	341.9
82.5°	192.2	176.1	211.3	308.2	528.3	1069.8	513.6	321.4	258.3	173.2
85°	110.1	102.7	124.7	149.7	177.6	227.5	148.2	152.6	137.9	92.5
87.5°	45.5	41.1	48.4	47.0	41.1	52.8	39.6	47.0	55.8	36.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2575.5
2566.7
2534.4
2499.2
2483.1
2483.1
2493.3
2512.4
2531.5
2540.3
2549.1
2571.1
2621.0
2698.8
2823.5
2996.7
3212.4
3486.8
3811.2
4181.0
4625.6
5164.2
5808.5
6539.3
7276.0
8131.6
8963.7
9356.9
8846.3
6995.7
3963.8
1245.9
361.0
187.8
96.9
33.8
0.0

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