

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: P849351

Luminaire Tested: **GLAN-SB6B-835-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849351  
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-SB6B-835-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 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: 28598 lumens  
Efficiency: N/A  
Efficacy: 129.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

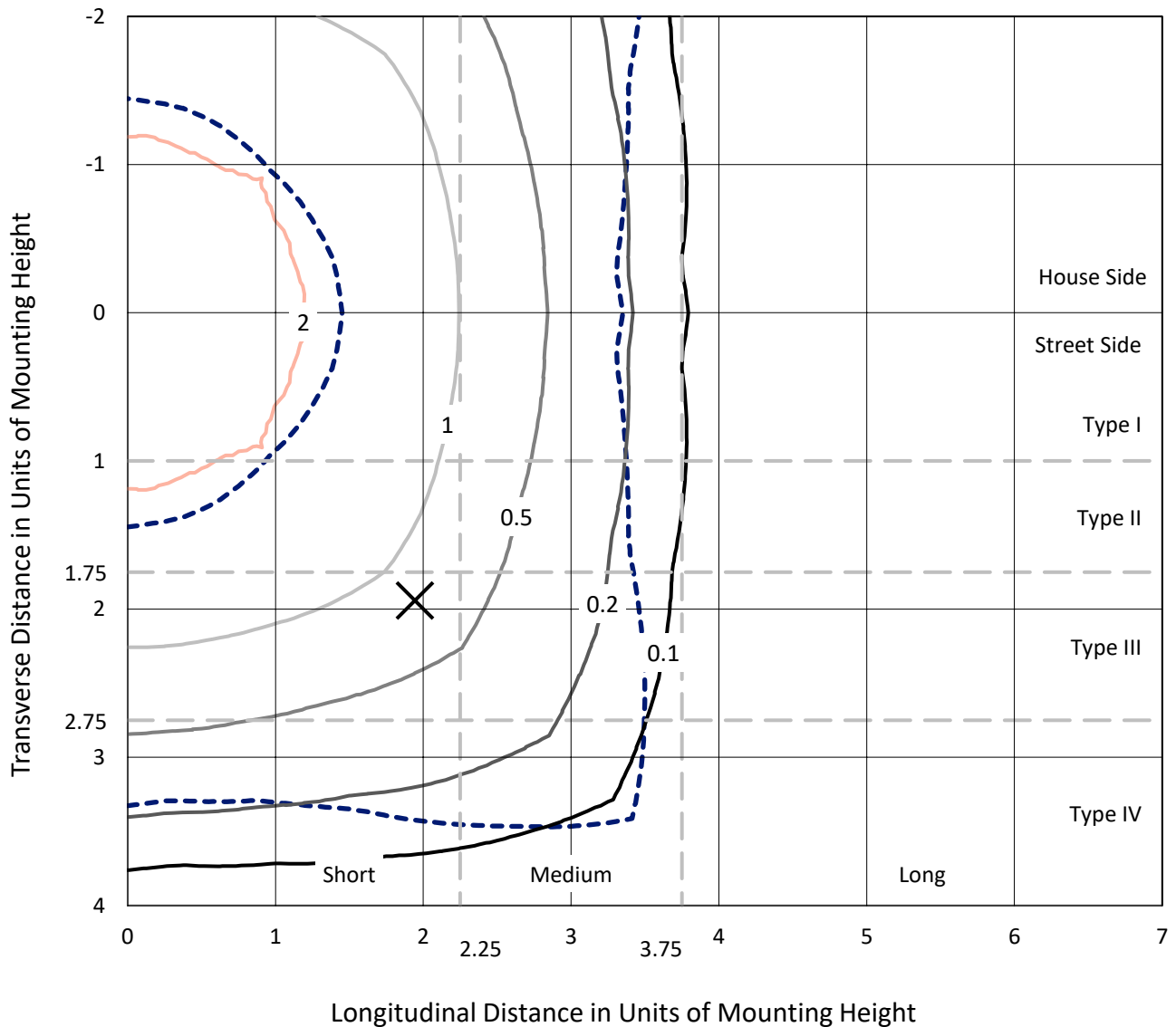
Input Watts (W): 220.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

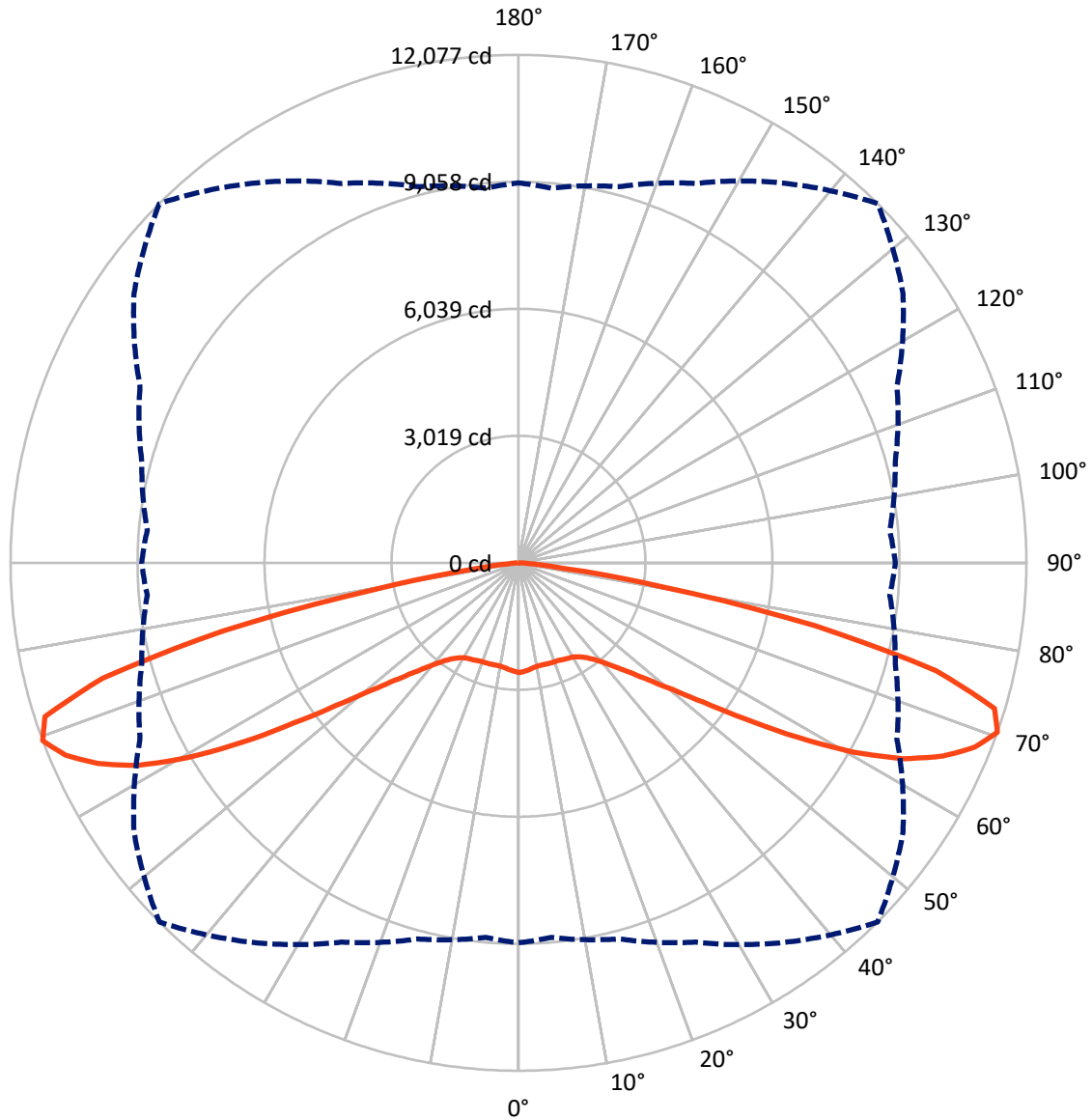
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.2 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	14299.0	0.0	14299.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	14299.0	0.0	14299.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	28598.0	0.0	28598.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	242.7	0.8
10°-20°	712.5	2.5
20°-30°	1185.8	4.1
30°-40°	1793.3	6.3
40°-50°	2980.0	10.4
50°-60°	5623.1	19.7
60°-70°	9494.8	33.2
70°-80°	6239.1	21.8
80°-90°	326.9	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°	28598.0	100.0
0°-180°	28598.0	100.0

**Coefficient of Utilization**

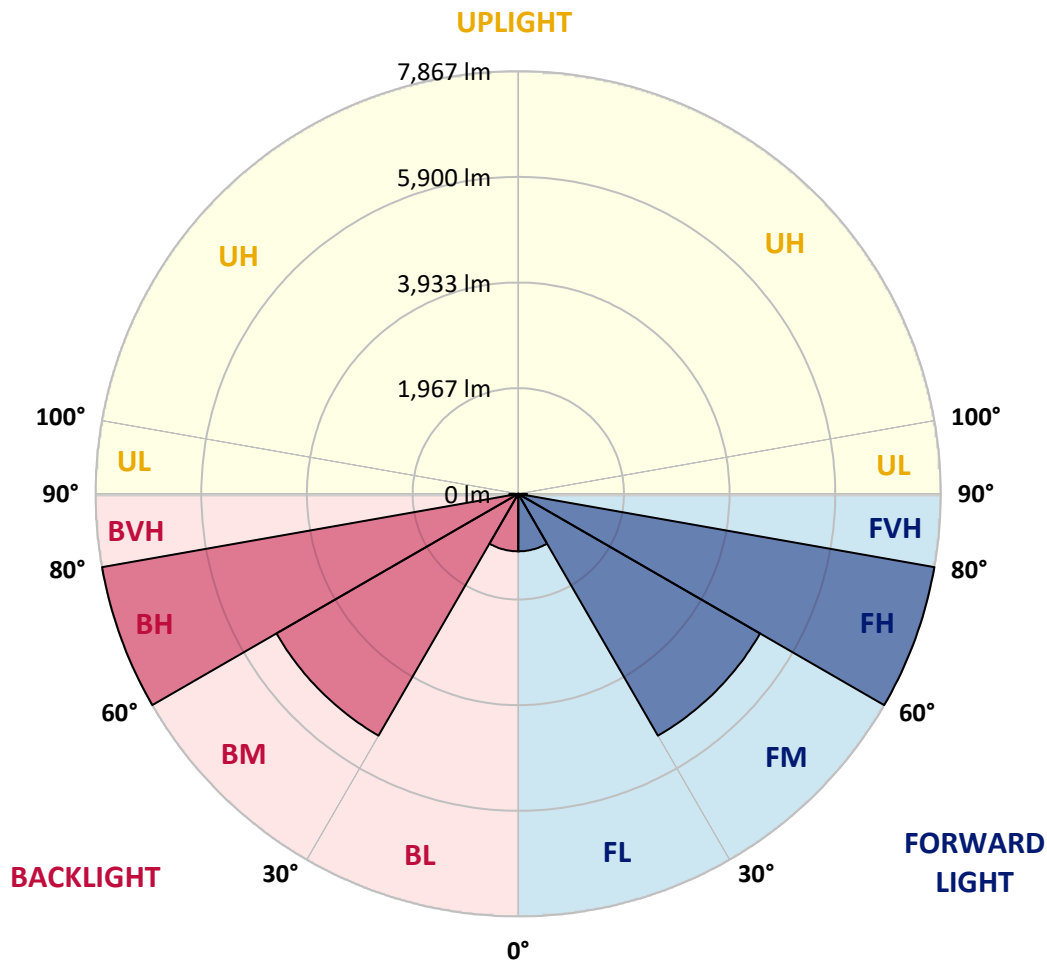


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1070.5	3.7			
FM (30°-60°)	5198.1	18.2			
FH (60°-80°)	7866.9	27.5			G4/12000
FVH (80°-90°)	163.4	0.6			G2/225
BL (0°-30°)	1070.5	3.7	B3/2500		
BM (30°-60°)	5198.1	18.2	B4/8500		
BH (60°-80°)	7866.9	27.5	B5		G4/12000
BVH (80°-90°)	163.4	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°	2608.7	2608.7	2608.7	2608.7	2608.7	2608.7	2608.7	2608.7	2608.7	2608.7
2.5°	2592.4	2599.8	2596.8	2590.9	2590.9	2586.4	2590.9	2593.8	2598.3	2601.3
5°	2558.2	2564.1	2562.6	2558.2	2559.7	2555.2	2558.2	2562.6	2565.6	2567.1
7.5°	2528.4	2534.4	2531.4	2524.0	2524.0	2519.5	2521.0	2525.5	2529.9	2531.4
10°	2521.0	2527.0	2518.0	2506.1	2501.7	2495.7	2497.2	2501.7	2510.6	2515.1
12.5°	2524.0	2528.4	2519.5	2501.7	2497.2	2491.3	2491.3	2495.7	2507.6	2513.6
15°	2532.9	2537.4	2524.0	2504.7	2500.2	2495.7	2494.3	2500.2	2513.6	2524.0
17.5°	2549.3	2553.7	2532.9	2506.1	2500.2	2501.7	2500.2	2504.7	2525.5	2544.8
20°	2564.1	2567.1	2538.9	2506.1	2500.2	2501.7	2500.2	2509.1	2535.9	2562.6
22.5°	2568.6	2571.6	2544.8	2516.6	2512.1	2513.6	2512.1	2521.0	2546.3	2573.0
25°	2570.1	2574.5	2553.7	2531.4	2538.9	2541.8	2538.9	2540.3	2559.7	2583.4
27.5°	2592.4	2598.3	2579.0	2559.7	2564.1	2562.6	2567.1	2571.6	2586.4	2610.2
30°	2638.4	2642.9	2626.6	2607.2	2604.3	2593.8	2607.2	2622.1	2638.4	2659.3
32.5°	2714.3	2723.2	2702.4	2681.5	2668.2	2662.2	2672.6	2697.9	2720.2	2742.5
35°	2840.6	2846.5	2827.2	2788.6	2764.8	2764.8	2773.7	2806.4	2842.1	2870.3
37.5°	3019.0	3026.4	2992.2	2946.1	2910.5	2910.5	2922.4	2956.5	3010.1	3050.2
40°	3236.0	3246.4	3203.3	3155.7	3121.5	3115.6	3130.5	3169.1	3219.6	3270.2
42.5°	3497.6	3509.5	3453.0	3411.4	3384.6	3384.6	3392.1	3427.7	3473.8	3536.3
45°	3832.1	3852.9	3775.6	3734.0	3708.7	3714.6	3719.1	3750.3	3791.9	3863.3
47.5°	4230.4	4251.2	4169.5	4126.4	4121.9	4150.2	4132.3	4154.6	4176.9	4258.7
50°	4682.3	4718.0	4661.5	4658.5	4667.4	4719.5	4677.8	4689.7	4664.5	4716.5
52.5°	5235.3	5287.3	5276.9	5294.7	5394.3	5501.3	5406.2	5364.6	5269.5	5285.8
55°	5905.7	5984.4	5999.3	6106.3	6332.3	6550.8	6348.6	6180.6	5978.5	5941.3
57.5°	6668.2	6730.6	6802.0	7020.5	7442.6	7830.6	7442.6	7071.0	6752.9	6677.1
60°	7488.7	7566.0	7634.4	7956.9	8584.2	9129.8	8572.3	7982.2	7561.6	7459.0
62.5°	8370.2	8469.8	8517.3	8875.6	9606.9	10258.0	9617.3	8902.3	8435.6	8325.6
65°	9216.0	9297.7	9351.2	9733.3	10431.9	11084.4	10479.4	9774.9	9294.7	9150.6
67.5°	9609.9	9654.5	9785.3	10217.8	10955.1	11699.8	11080.0	10263.9	9727.3	9474.6
70°	9033.1	8942.5	9257.6	9950.3	11017.5	12077.4	11160.2	9929.5	9272.5	8862.2
72.5°	6980.4	6824.3	7371.3	8556.0	10304.0	11836.6	10375.4	8622.9	7711.7	6879.3
75°	3797.9	3621.0	4376.1	5874.4	8217.1	10259.5	8405.9	6042.4	4872.6	3769.6
77.5°	1071.7	1004.8	1614.3	2842.1	4942.4	7203.3	5132.7	2904.5	1914.5	1135.6
80°	328.5	318.1	431.1	856.2	2098.9	3450.0	2017.1	866.6	548.5	346.3
82.5°	194.7	178.4	214.0	312.2	535.1	1083.6	520.3	325.5	261.6	175.4
85°	111.5	104.1	126.3	151.6	179.9	230.4	150.1	154.6	139.7	93.6
87.5°	46.1	41.6	49.1	47.6	41.6	53.5	40.1	47.6	56.5	37.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2608.7
2599.8
2567.1
2531.4
2515.1
2515.1
2525.5
2544.8
2564.1
2573.0
2582.0
2604.3
2654.8
2733.6
2859.9
3035.3
3253.8
3531.8
3860.3
4234.9
4685.3
5230.8
5883.4
6623.6
7369.8
8236.4
9079.2
9477.6
8960.3
7085.9
4014.9
1262.0
365.7
190.3
98.1
34.2
0.0

OF REPORT)