

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: P850051

Luminaire Tested: **GLAN-SB7B-850-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850051  
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-SB7B-850-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 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: 34781 lumens  
Efficiency: N/A  
Efficacy: 135.5 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

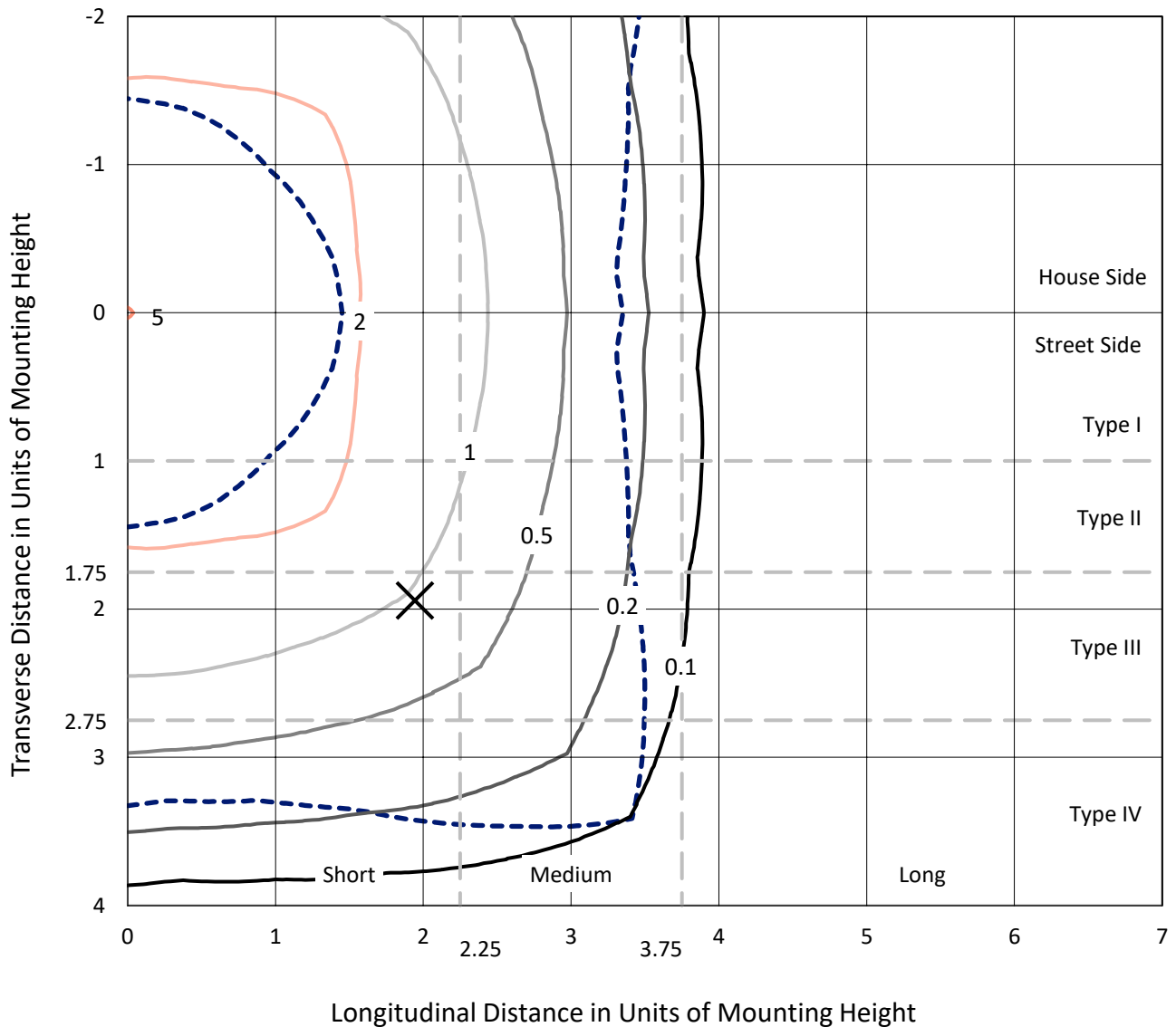
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

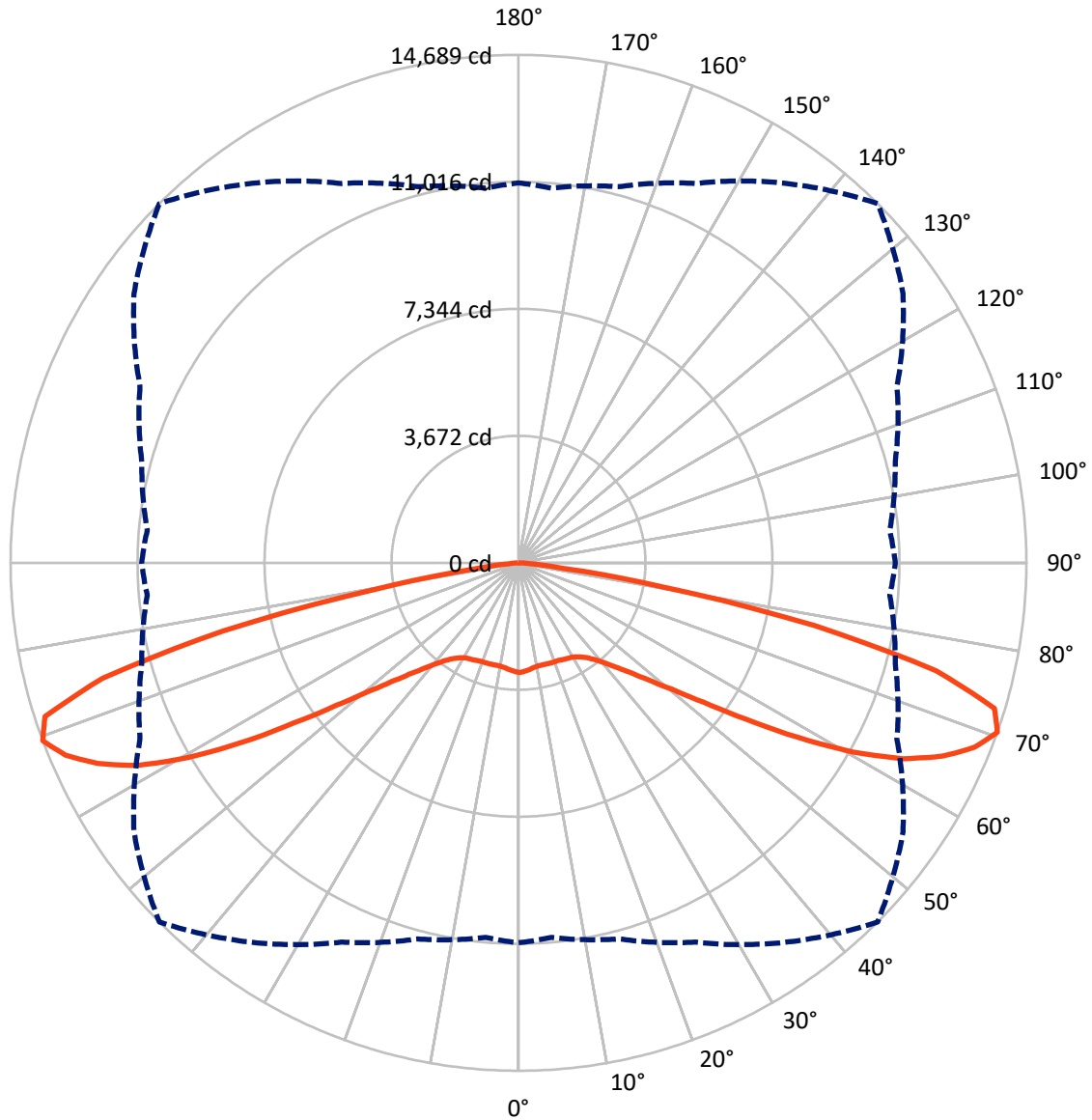
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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	17390.5	0.0	17390.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17390.5	0.0	17390.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34781.0	0.0	34781.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	295.1	0.8
10°-20°	866.6	2.5
20°-30°	1442.1	4.1
30°-40°	2181.0	6.3
40°-50°	3624.2	10.4
50°-60°	6838.8	19.7
60°-70°	11547.6	33.2
70°-80°	7588.0	21.8
80°-90°	397.5	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°	34781.0	100.0
0°-180°	34781.0	100.0

**Coefficient of Utilization**

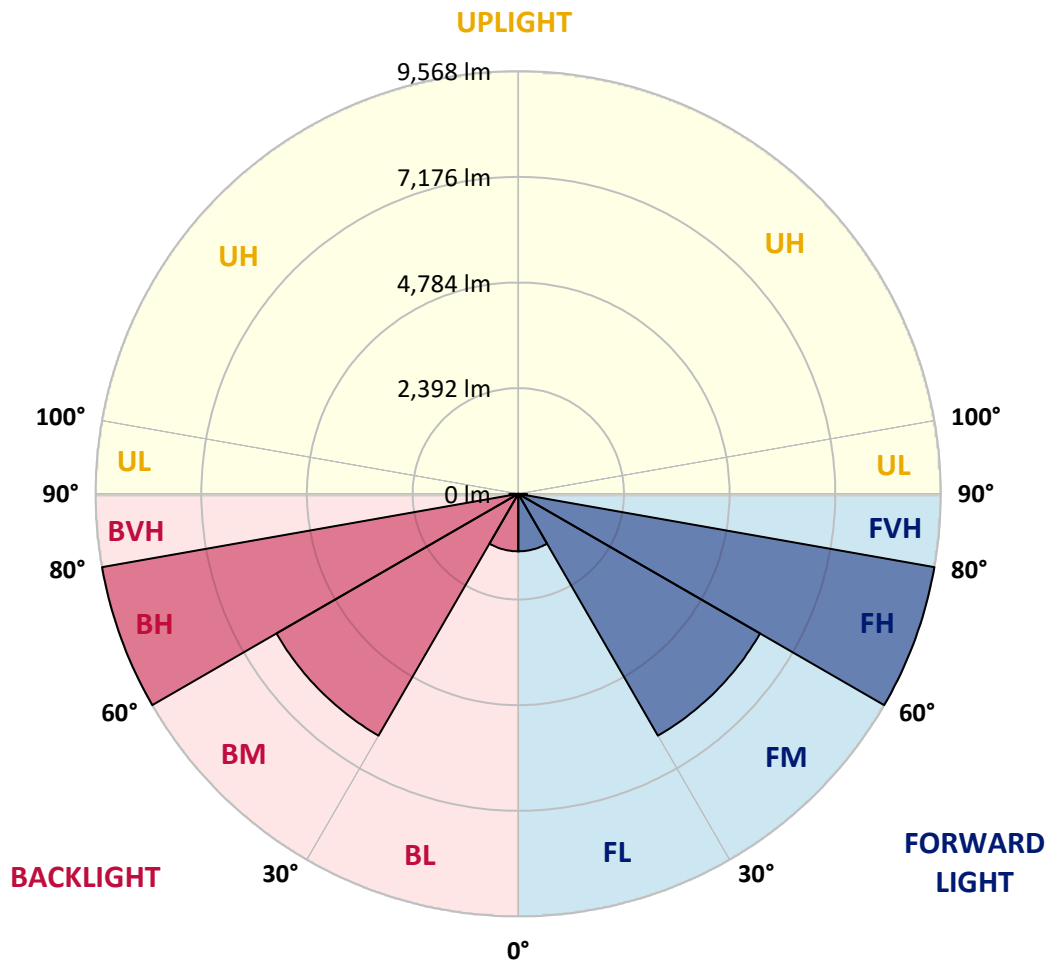


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1301.9	3.7			
FM (30°-60°)	6322.0	18.2			
FH (60°-80°)	9567.8	27.5			G4/12000
FVH (80°-90°)	198.8	0.6			G2/225
BL (0°-30°)	1301.9	3.7	B3/2500		
BM (30°-60°)	6322.0	18.2	B4/8500		
BH (60°-80°)	9567.8	27.5	B5		G4/12000
BVH (80°-90°)	198.8	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°	3172.7	3172.7	3172.7	3172.7	3172.7	3172.7	3172.7	3172.7	3172.7	3172.7
2.5°	3152.8	3161.9	3158.3	3151.0	3151.0	3145.6	3151.0	3154.6	3160.1	3163.7
5°	3111.3	3118.5	3116.7	3111.3	3113.1	3107.6	3111.3	3116.7	3120.3	3122.1
7.5°	3075.1	3082.3	3078.7	3069.7	3069.7	3064.3	3066.1	3071.5	3076.9	3078.7
10°	3066.1	3073.3	3062.5	3048.0	3042.6	3035.3	3037.1	3042.6	3053.4	3058.8
12.5°	3069.7	3075.1	3064.3	3042.6	3037.1	3029.9	3029.9	3035.3	3049.8	3057.0
15°	3080.5	3086.0	3069.7	3046.2	3040.8	3035.3	3033.5	3040.8	3057.0	3069.7
17.5°	3100.4	3105.8	3080.5	3048.0	3040.8	3042.6	3040.8	3046.2	3071.5	3095.0
20°	3118.5	3122.1	3087.8	3048.0	3040.8	3042.6	3040.8	3051.6	3084.1	3116.7
22.5°	3123.9	3127.5	3095.0	3060.6	3055.2	3057.0	3055.2	3066.1	3096.8	3129.3
25°	3125.7	3131.1	3105.8	3078.7	3087.8	3091.4	3087.8	3089.6	3113.1	3142.0
27.5°	3152.8	3160.1	3136.6	3113.1	3118.5	3116.7	3122.1	3127.5	3145.6	3174.5
30°	3208.9	3214.3	3194.4	3170.9	3167.3	3154.6	3170.9	3189.0	3208.9	3234.2
32.5°	3301.1	3311.9	3286.6	3261.3	3245.0	3237.8	3250.5	3281.2	3308.3	3335.4
35°	3454.7	3462.0	3438.5	3391.5	3362.5	3362.5	3373.4	3413.2	3456.6	3490.9
37.5°	3671.7	3680.7	3639.1	3583.1	3539.7	3539.7	3554.2	3595.8	3660.8	3709.7
40°	3935.6	3948.3	3895.9	3838.0	3796.4	3789.2	3807.3	3854.3	3915.7	3977.2
42.5°	4253.8	4268.3	4199.6	4149.0	4116.4	4116.4	4125.4	4168.8	4224.9	4300.8
45°	4660.6	4685.9	4591.9	4541.2	4510.5	4517.7	4523.2	4561.1	4611.8	4698.5
47.5°	5145.1	5170.4	5070.9	5018.5	5013.1	5047.4	5025.7	5052.9	5080.0	5179.4
50°	5694.6	5738.0	5669.3	5665.7	5676.6	5739.8	5689.2	5703.7	5672.9	5736.2
52.5°	6367.1	6430.4	6417.8	6439.5	6560.6	6690.7	6575.0	6524.4	6408.7	6428.6
55°	7182.5	7278.3	7296.4	7426.5	7701.3	7967.1	7721.2	7516.9	7271.1	7225.9
57.5°	8109.9	8185.8	8272.6	8538.3	9051.8	9523.6	9051.8	8599.8	8212.9	8120.7
60°	9107.8	9201.8	9285.0	9677.3	10440.2	11103.6	10425.7	9708.0	9196.4	9071.7
62.5°	10179.8	10301.0	10358.8	10794.5	11684.0	12475.8	11696.6	10827.0	10259.4	10125.6
65°	11208.5	11307.9	11373.0	11837.6	12687.3	13480.9	12745.1	11888.2	11304.3	11129.0
67.5°	11687.6	11741.8	11900.9	12427.0	13323.6	14229.4	13475.5	12483.0	11830.4	11523.1
70°	10986.1	10875.9	11259.1	12101.6	13399.6	14688.6	13573.1	12076.3	11277.2	10778.2
72.5°	8489.5	8299.7	8965.0	10405.8	12531.8	14395.7	12618.6	10487.2	9379.0	8366.6
75°	4619.0	4403.9	5322.2	7144.5	9993.6	12477.6	10223.2	7348.8	5926.0	4584.6
77.5°	1303.4	1222.1	1963.3	3456.6	6011.0	8760.7	6242.4	3532.5	2328.5	1381.2
80°	399.5	386.9	524.3	1041.3	2552.6	4196.0	2453.2	1054.0	667.1	421.2
82.5°	236.8	216.9	260.3	379.6	650.8	1317.9	632.7	395.9	318.2	213.3
85°	135.6	126.5	153.7	184.4	218.7	280.2	182.6	188.0	169.9	113.9
87.5°	56.0	50.6	59.7	57.9	50.6	65.1	48.8	57.9	68.7	45.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3172.7
3161.9
3122.1
3078.7
3058.8
3058.8
3071.5
3095.0
3118.5
3129.3
3140.2
3167.3
3228.8
3324.6
3478.2
3691.6
3957.3
4295.4
4694.9
5150.5
5698.3
6361.7
7155.4
8055.7
8963.2
10017.1
11042.2
11526.7
10897.6
8617.9
4882.9
1534.8
444.7
231.4
119.3
41.6
0.0

OF REPORT)