

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: P850041

Luminaire Tested: **GLAN-SB7B-840-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850041  
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-840-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

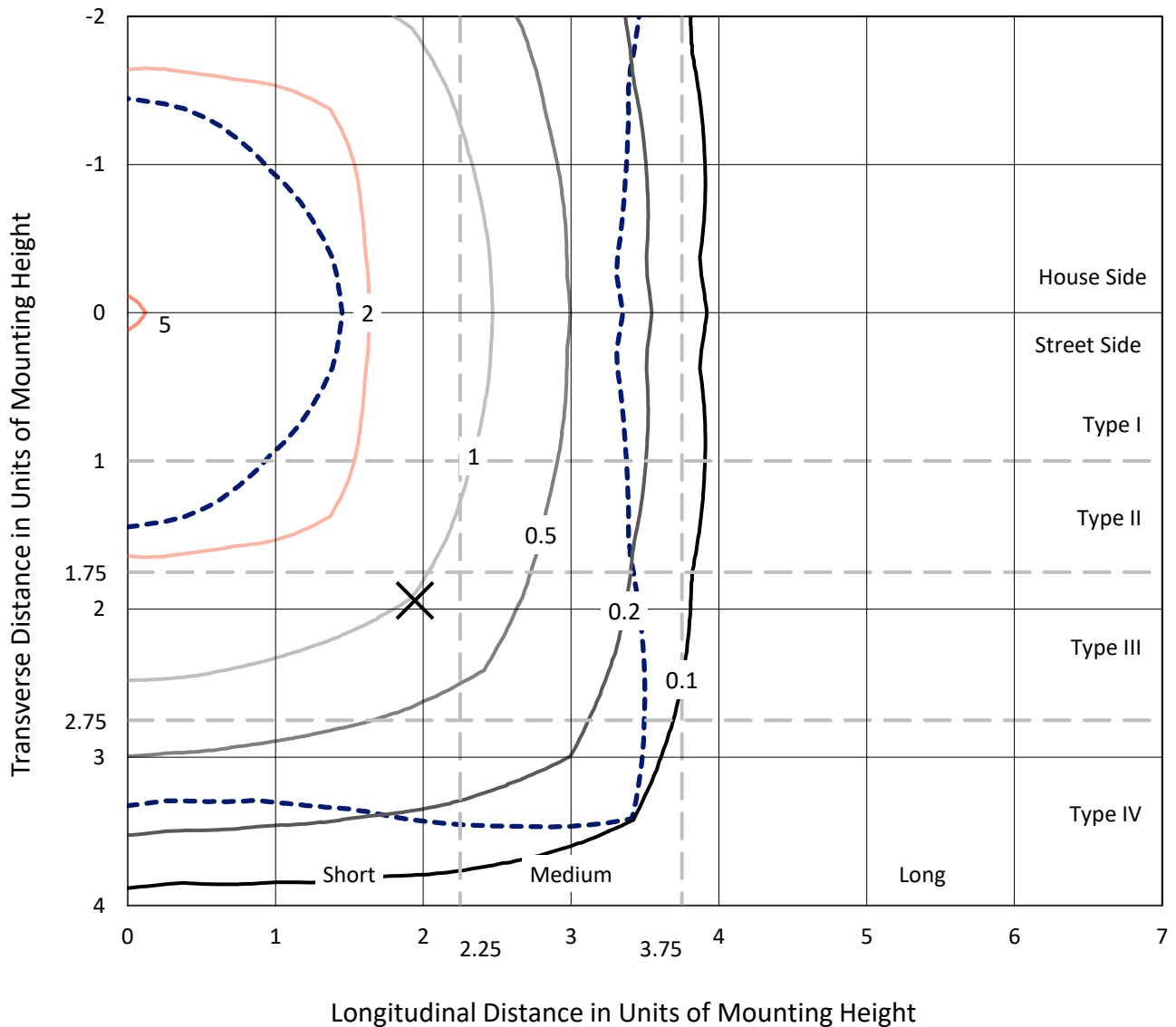
Lumens per Lamp: N/A  
Luminaire Lumens: 36023 lumens  
Efficiency: N/A  
Efficacy: 140.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 256.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
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



REPORT NUMBER: P850041  
 CATALOG NUMBER: GLAN-SB7B-840-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

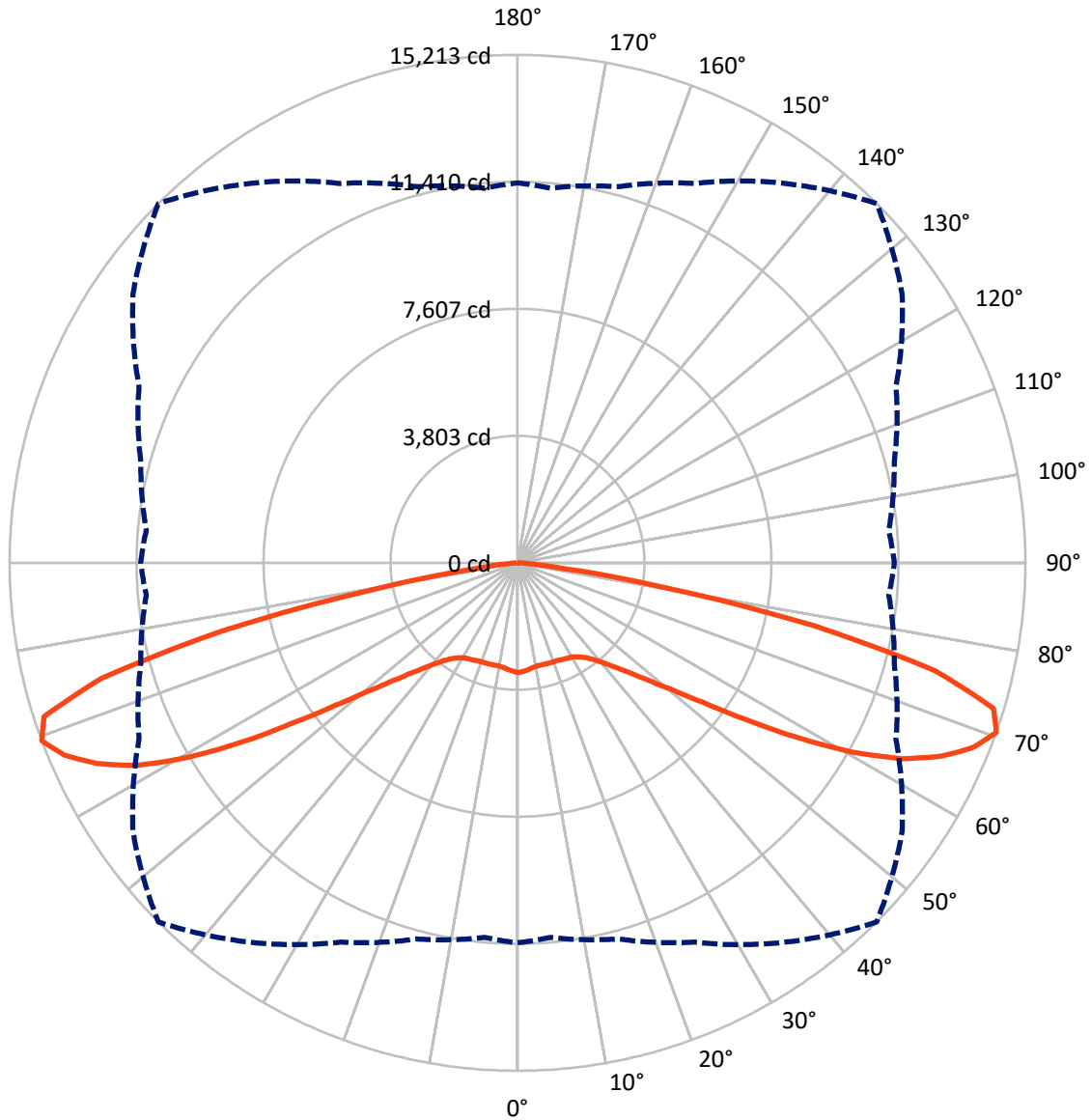
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc  
 Type V - Short - N/A

REPORT NUMBER: P850041  
CATALOG NUMBER: GLAN-SB7B-840-U-5WQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P850041  
 CATALOG NUMBER: GLAN-SB7B-840-U-5WQ

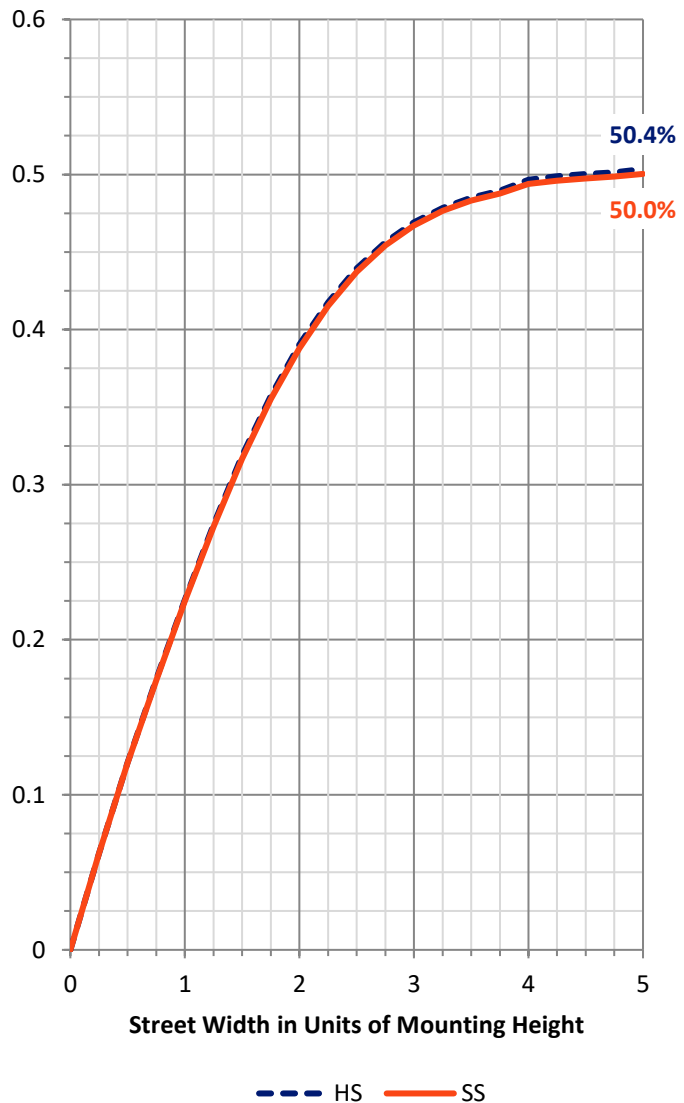
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	18011.5	0.0	18011.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18011.5	0.0	18011.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	36023.0	0.0	36023.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	305.7	0.8
10°-20°	897.5	2.5
20°-30°	1493.6	4.1
30°-40°	2258.8	6.3
40°-50°	3753.7	10.4
50°-60°	7083.0	19.7
60°-70°	11960.0	33.2
70°-80°	7858.9	21.8
80°-90°	411.7	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°	36023.0	100.0
0°-180°	36023.0	100.0

**Coefficient of Utilization**

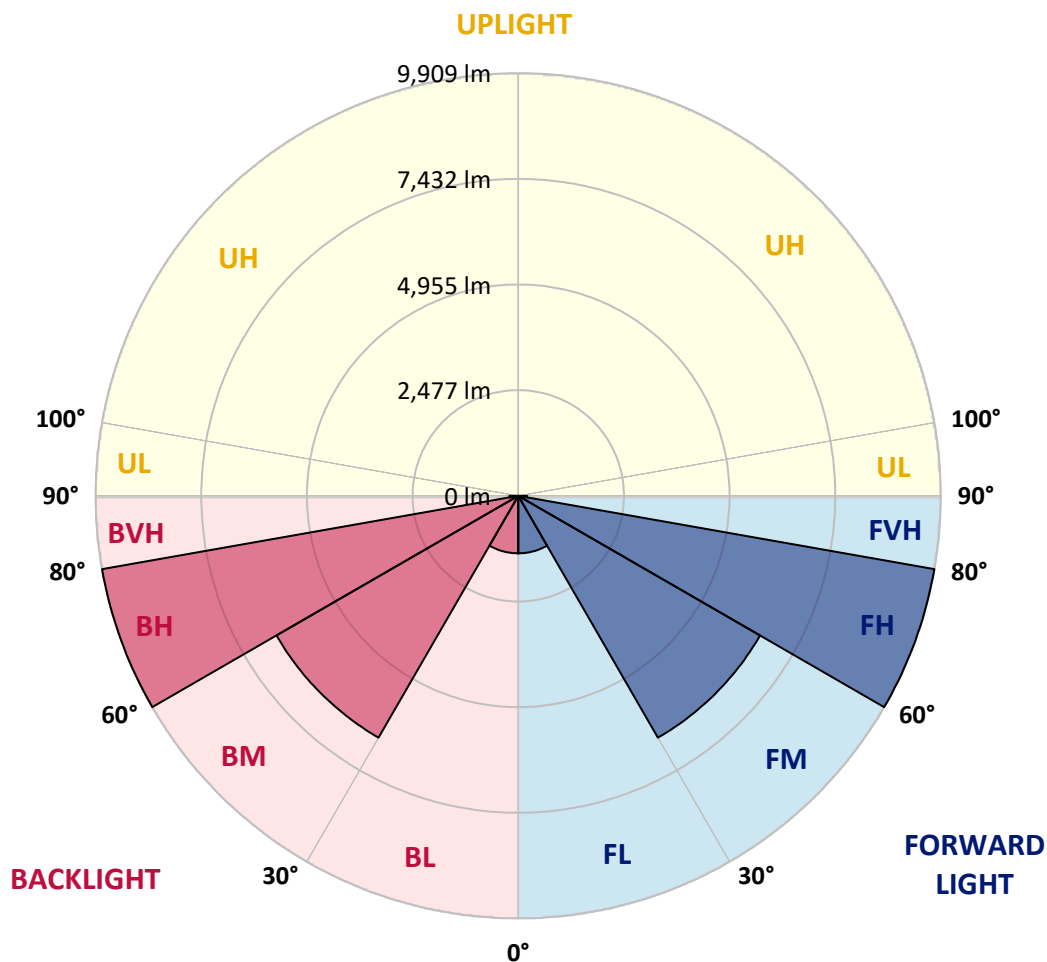


REPORT NUMBER: P850041  
 CATALOG NUMBER: GLAN-SB7B-840-U-5WQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1348.4	3.7			
FM (30°-60°)	6547.8	18.2			
FH (60°-80°)	9909.4	27.5			G4/12000
FVH (80°-90°)	205.9	0.6			G2/225
BL (0°-30°)	1348.4	3.7	B3/2500		
BM (30°-60°)	6547.8	18.2	B4/8500		
BH (60°-80°)	9909.4	27.5	B5		G4/12000
BVH (80°-90°)	205.9	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



REPORT NUMBER: P850041

CATALOG NUMBER: GLAN-SB7B-840-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3286.0	3286.0	3286.0	3286.0	3286.0	3286.0	3286.0	3286.0	3286.0	3286.0
2.5°	3265.4	3274.8	3271.0	3263.6	3263.6	3257.9	3263.6	3267.3	3272.9	3276.7
5°	3222.4	3229.9	3228.0	3222.4	3224.2	3218.6	3222.4	3228.0	3231.7	3233.6
7.5°	3184.9	3192.4	3188.7	3179.3	3179.3	3173.7	3175.6	3181.2	3186.8	3188.7
10°	3175.6	3183.0	3171.8	3156.8	3151.2	3143.7	3145.6	3151.2	3162.4	3168.1
12.5°	3179.3	3184.9	3173.7	3151.2	3145.6	3138.1	3138.1	3143.7	3158.7	3166.2
15°	3190.5	3196.1	3179.3	3155.0	3149.3	3143.7	3141.8	3149.3	3166.2	3179.3
17.5°	3211.1	3216.7	3190.5	3156.8	3149.3	3151.2	3149.3	3155.0	3181.2	3205.5
20°	3229.9	3233.6	3198.0	3156.8	3149.3	3151.2	3149.3	3160.6	3194.3	3228.0
22.5°	3235.5	3239.2	3205.5	3169.9	3164.3	3166.2	3164.3	3175.6	3207.4	3241.1
25°	3237.3	3243.0	3216.7	3188.7	3198.0	3201.8	3198.0	3199.9	3224.2	3254.2
27.5°	3265.4	3272.9	3248.6	3224.2	3229.9	3228.0	3233.6	3239.2	3257.9	3287.9
30°	3323.5	3329.1	3308.5	3284.2	3280.4	3267.3	3284.2	3302.9	3323.5	3349.7
32.5°	3419.0	3430.2	3404.0	3377.8	3360.9	3353.4	3366.5	3398.4	3426.5	3454.5
35°	3578.1	3585.6	3561.3	3512.6	3482.6	3482.6	3493.9	3535.0	3580.0	3615.6
37.5°	3802.8	3812.2	3769.1	3711.1	3666.1	3666.1	3681.1	3724.2	3791.6	3842.1
40°	4076.2	4089.3	4035.0	3975.1	3932.0	3924.5	3943.2	3991.9	4055.6	4119.2
42.5°	4405.7	4420.7	4349.5	4297.1	4263.4	4263.4	4272.8	4317.7	4375.7	4454.4
45°	4827.0	4853.2	4755.8	4703.4	4671.6	4679.1	4684.7	4724.0	4776.4	4866.3
47.5°	5328.8	5355.0	5252.0	5197.7	5192.1	5227.7	5205.2	5233.3	5261.4	5364.4
50°	5898.0	5942.9	5871.8	5868.0	5879.3	5944.8	5892.4	5907.4	5875.5	5941.1
52.5°	6594.5	6660.0	6646.9	6669.4	6794.9	6929.7	6809.8	6757.4	6637.6	6658.2
55°	7439.0	7538.2	7556.9	7691.7	7976.3	8251.6	7996.9	7785.3	7530.7	7483.9
57.5°	8399.5	8478.1	8568.0	8843.2	9375.0	9863.7	9375.0	8906.9	8506.2	8410.7
60°	9433.0	9530.4	9616.5	10022.8	10813.0	11500.1	10798.0	10054.7	9524.8	9395.6
62.5°	10543.4	10668.8	10728.7	11180.0	12101.2	12921.3	12114.3	11213.7	10625.7	10487.2
65°	11608.7	11711.7	11779.1	12260.3	13140.3	13962.3	13200.3	12312.8	11708.0	11526.4
67.5°	12104.9	12161.1	12325.9	12870.7	13799.4	14737.5	13956.7	12928.8	12252.8	11934.5
70°	11378.4	11264.2	11661.2	12533.7	13878.1	15213.1	14057.8	12507.5	11679.9	11163.1
72.5°	8792.7	8596.1	9285.1	10777.4	12979.3	14909.7	13069.2	10861.7	9713.9	8665.4
75°	4783.9	4561.1	5512.3	7399.6	10350.5	12923.2	10588.3	7611.2	6137.7	4748.3
77.5°	1350.0	1265.7	2033.4	3580.0	6225.7	9073.5	6465.3	3658.6	2411.6	1430.5
80°	413.8	400.7	543.0	1078.5	2643.8	4345.8	2540.8	1091.6	690.9	436.3
82.5°	245.3	224.7	269.6	393.2	674.1	1365.0	655.3	410.1	329.5	220.9
85°	140.4	131.1	159.2	191.0	226.6	290.2	189.1	194.7	176.0	118.0
87.5°	58.0	52.4	61.8	59.9	52.4	67.4	50.6	59.9	71.2	46.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3286.0
3274.8
3233.6
3188.7
3168.1
3168.1
3181.2
3205.5
3229.9
3241.1
3252.3
3280.4
3344.1
3443.3
3602.5
3823.4
4098.6
4448.8
4862.6
5334.4
5901.7
6588.9
7410.9
8343.3
9283.2
10374.8
11436.5
11938.3
11286.7
8925.6
5057.3
1589.6
460.6
239.7
123.6
43.1
0.0

OF REPORT)