

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: P849691

Luminaire Tested: **GLAN-SB6D-835-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849691  
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-SB6D-835-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 80 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 51681 lumens  
Efficiency: N/A  
Efficacy: 117.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

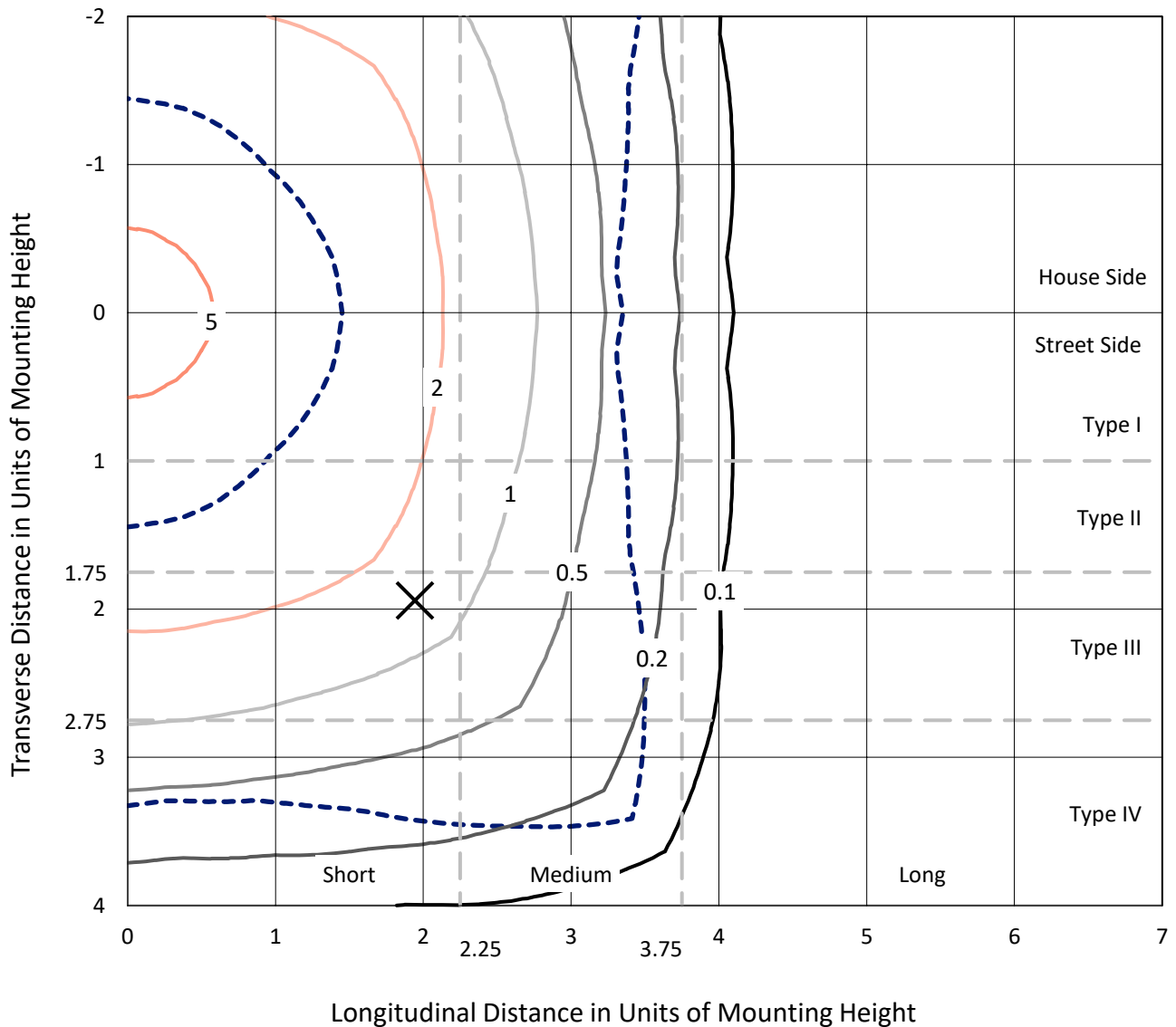
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P849691  
 CATALOG NUMBER: GLAN-SB6D-835-U-5WQ

### Iso-Footcandle Lines of Horizontal Illumination

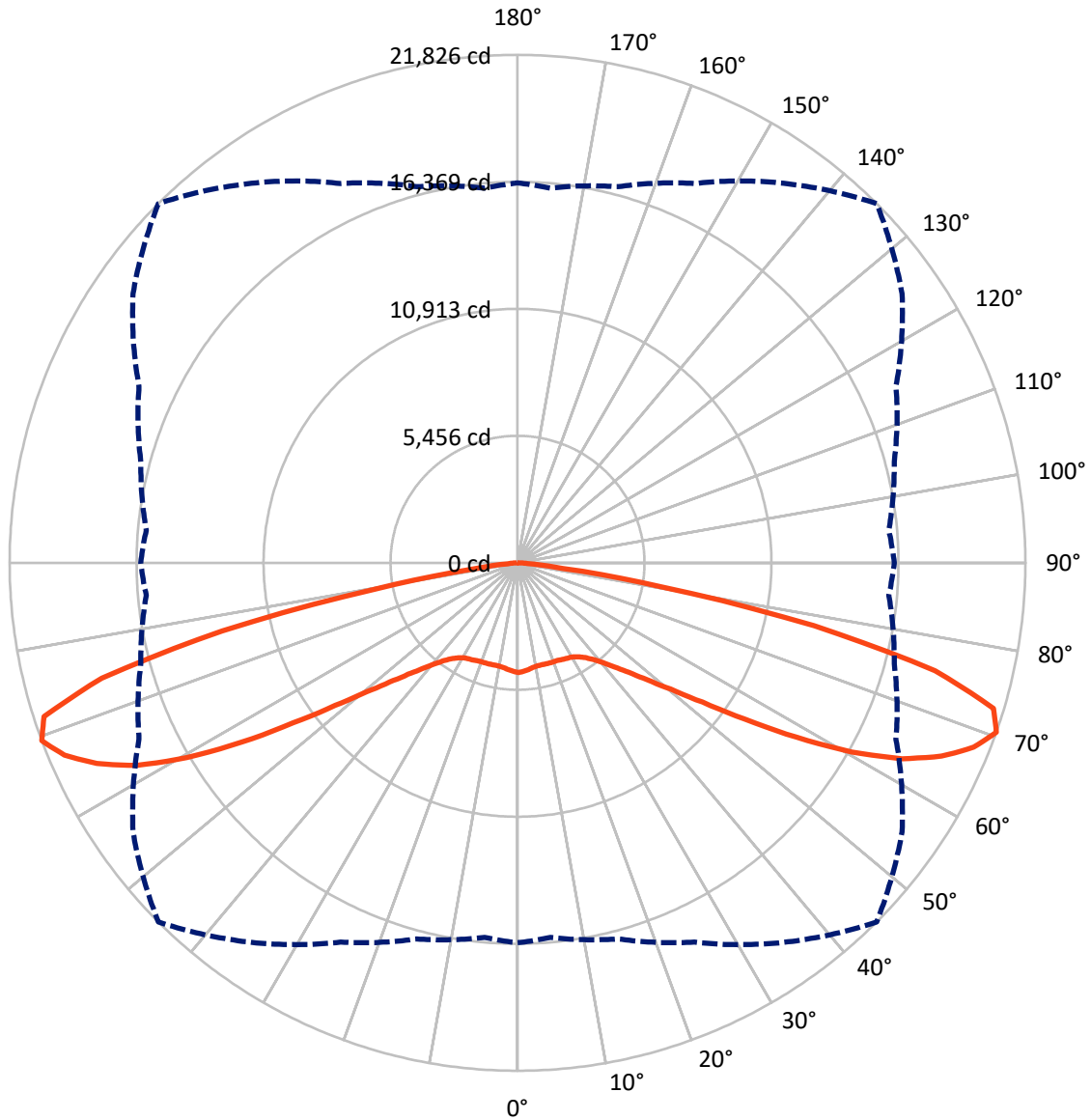
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc  
 Type V - Short - N/A

REPORT NUMBER: P849691  
CATALOG NUMBER: GLAN-SB6D-835-U-5WQ

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P849691  
 CATALOG NUMBER: GLAN-SB6D-835-U-5WQ

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	25840.5	0.0	25840.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	25840.5	0.0	25840.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	51681.0	0.0	51681.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	438.5	0.8
10°-20°	1287.7	2.5
20°-30°	2142.9	4.1
30°-40°	3240.7	6.3
40°-50°	5385.2	10.4
50°-60°	10161.8	19.7
60°-70°	17158.6	33.2
70°-80°	11275.0	21.8
80°-90°	590.7	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°	51681.0	100.0
0°-180°	51681.0	100.0

**Coefficient of Utilization**

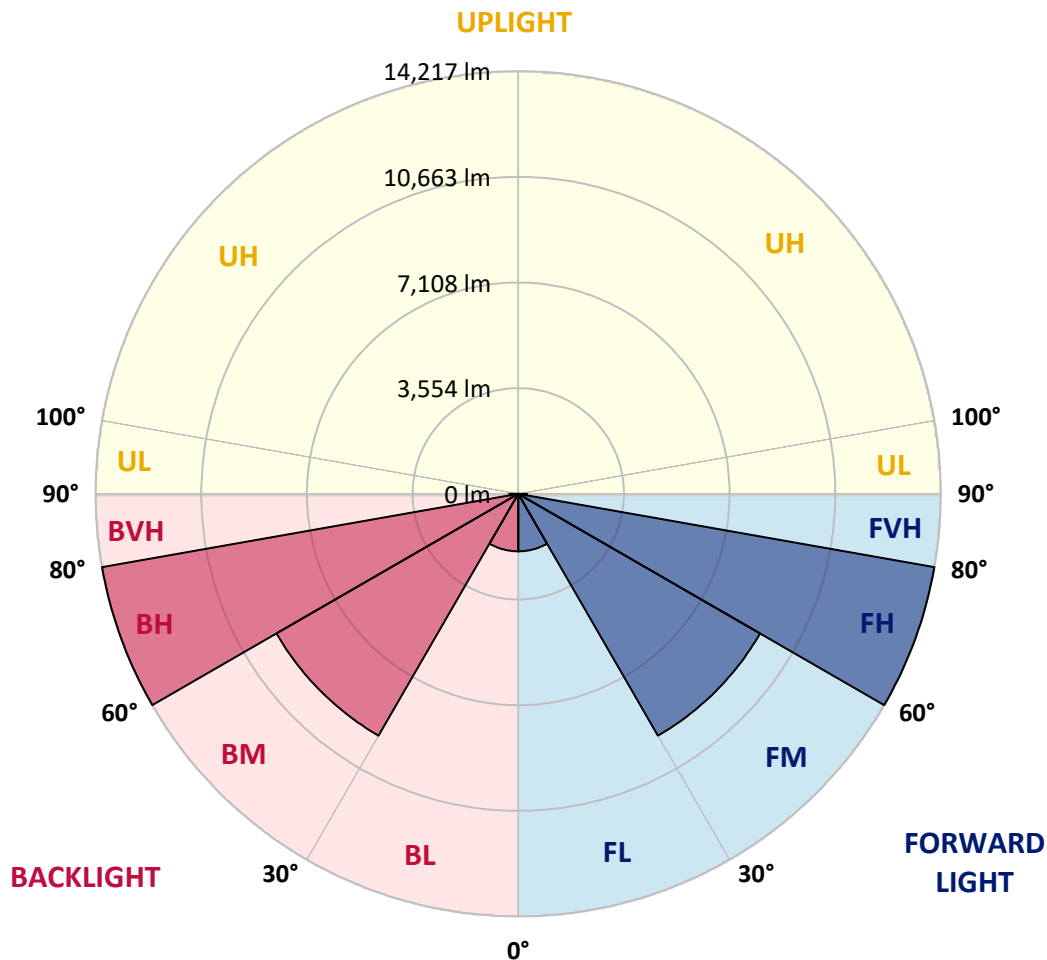


REPORT NUMBER: P849691  
 CATALOG NUMBER: GLAN-SB6D-835-U-5WQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1934.6	3.7			
FM (30°-60°)	9393.8	18.2			
FH (60°-80°)	14216.8	27.5			G5
FVH (80°-90°)	295.3	0.6			G3/500
BL (0°-30°)	1934.6	3.7	B3/2500		
BM (30°-60°)	9393.8	18.2	B5		
BH (60°-80°)	14216.8	27.5	B5		G5
BVH (80°-90°)	295.3	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type V Short



REPORT NUMBER: P849691  
 CATALOG NUMBER: GLAN-SB6D-835-U-5WQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4714.3	4714.3	4714.3	4714.3	4714.3	4714.3	4714.3	4714.3	4714.3	4714.3
2.5°	4684.8	4698.2	4692.9	4682.1	4682.1	4674.1	4682.1	4687.5	4695.5	4700.9
5°	4623.0	4633.8	4631.1	4623.0	4625.7	4617.6	4623.0	4631.1	4636.4	4639.1
7.5°	4569.3	4580.0	4574.7	4561.2	4561.2	4553.2	4555.9	4563.9	4572.0	4574.7
10°	4555.9	4566.6	4550.5	4529.0	4520.9	4510.2	4512.9	4520.9	4537.1	4545.1
12.5°	4561.2	4569.3	4553.2	4520.9	4512.9	4502.1	4502.1	4510.2	4531.7	4542.4
15°	4577.3	4585.4	4561.2	4526.3	4518.3	4510.2	4507.5	4518.3	4542.4	4561.2
17.5°	4606.9	4615.0	4577.3	4529.0	4518.3	4520.9	4518.3	4526.3	4563.9	4598.8
20°	4633.8	4639.1	4588.1	4529.0	4518.3	4520.9	4518.3	4534.4	4582.7	4631.1
22.5°	4641.8	4647.2	4598.8	4547.8	4539.7	4542.4	4539.7	4555.9	4601.5	4649.9
25°	4644.5	4652.6	4615.0	4574.7	4588.1	4593.5	4588.1	4590.8	4625.7	4668.7
27.5°	4684.8	4695.5	4660.6	4625.7	4633.8	4631.1	4639.1	4647.2	4674.1	4717.0
30°	4768.1	4776.1	4746.6	4711.7	4706.3	4687.5	4711.7	4738.5	4768.1	4805.7
32.5°	4905.1	4921.2	4883.6	4846.0	4821.8	4811.1	4829.9	4875.5	4915.8	4956.1
35°	5133.4	5144.1	5109.2	5039.4	4996.4	4996.4	5012.5	5071.6	5136.1	5187.1
37.5°	5455.7	5469.2	5407.4	5324.1	5259.7	5259.7	5281.1	5342.9	5439.6	5512.2
40°	5847.9	5866.7	5788.8	5702.9	5641.1	5630.4	5657.2	5727.1	5818.4	5909.7
42.5°	6320.7	6342.2	6240.1	6164.9	6116.6	6116.6	6130.0	6194.5	6277.7	6390.6
45°	6925.1	6962.7	6823.0	6747.8	6702.2	6712.9	6721.0	6777.4	6852.6	6981.5
47.5°	7645.0	7682.6	7534.9	7457.0	7448.9	7500.0	7467.7	7508.0	7548.3	7696.1
50°	8461.6	8526.1	8424.0	8418.7	8434.8	8528.8	8453.6	8475.1	8429.4	8523.4
52.5°	9460.9	9554.9	9536.1	9568.4	9748.4	9941.8	9769.8	9694.6	9522.7	9552.3
55°	10672.4	10814.8	10841.7	11035.1	11443.4	11838.3	11472.9	11169.4	10804.0	10736.9
57.5°	12050.5	12163.3	12292.2	12687.1	13450.0	14151.1	13450.0	12778.4	12203.6	12066.6
60°	13533.3	13673.0	13796.5	14379.4	15513.0	16498.9	15491.5	14425.1	13664.9	13479.5
62.5°	15126.2	15306.2	15392.1	16039.5	17361.2	18537.7	17380.0	16087.9	15244.4	15045.6
65°	16654.7	16802.4	16899.1	17589.5	18852.0	20031.3	18938.0	17664.7	16797.0	16536.5
67.5°	17366.5	17447.1	17683.5	18465.2	19797.6	21143.4	20023.2	18548.5	17578.7	17122.1
70°	16324.3	16160.4	16729.9	17981.7	19910.4	21825.7	20168.3	17944.1	16756.8	16015.4
72.5°	12614.6	12332.5	13321.1	15462.0	18621.0	21390.5	18749.9	15582.9	13936.2	12431.9
75°	6863.3	6543.7	7908.3	10616.0	14849.5	18540.4	15190.7	10919.6	8805.5	6812.3
77.5°	1936.8	1815.9	2917.3	5136.1	8931.7	13017.5	9275.6	5248.9	3459.9	2052.3
80°	593.7	574.9	779.0	1547.3	3793.0	6234.8	3645.2	1566.1	991.2	625.9
82.5°	351.9	322.3	386.8	564.1	967.0	1958.3	940.2	588.3	472.8	317.0
85°	201.5	188.0	228.3	274.0	325.0	416.4	271.3	279.4	252.5	169.2
87.5°	83.3	75.2	88.6	86.0	75.2	96.7	72.5	86.0	102.1	67.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°  
4714.3  
4698.2  
4639.1  
4574.7  
4545.1  
4545.1  
4563.9  
4598.8  
4633.8  
4649.9  
4666.0  
4706.3  
4797.6  
4940.0  
5168.3  
5485.3  
5880.2  
6382.5  
6976.2  
7653.1  
8467.0  
9452.9  
10632.1  
11969.9  
13318.4  
14884.4  
16407.5  
17127.5  
*16192.6*  
12805.3  
7255.5  
2280.6  
660.8  
343.8  
177.3  
61.8  
0.0

OF REPORT)