

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: P850141

Luminaire Tested: **GLAN-SB7C-735-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P850141  
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-SB7C-735-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 52866 lumens  
Efficiency: N/A  
Efficacy: 150.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

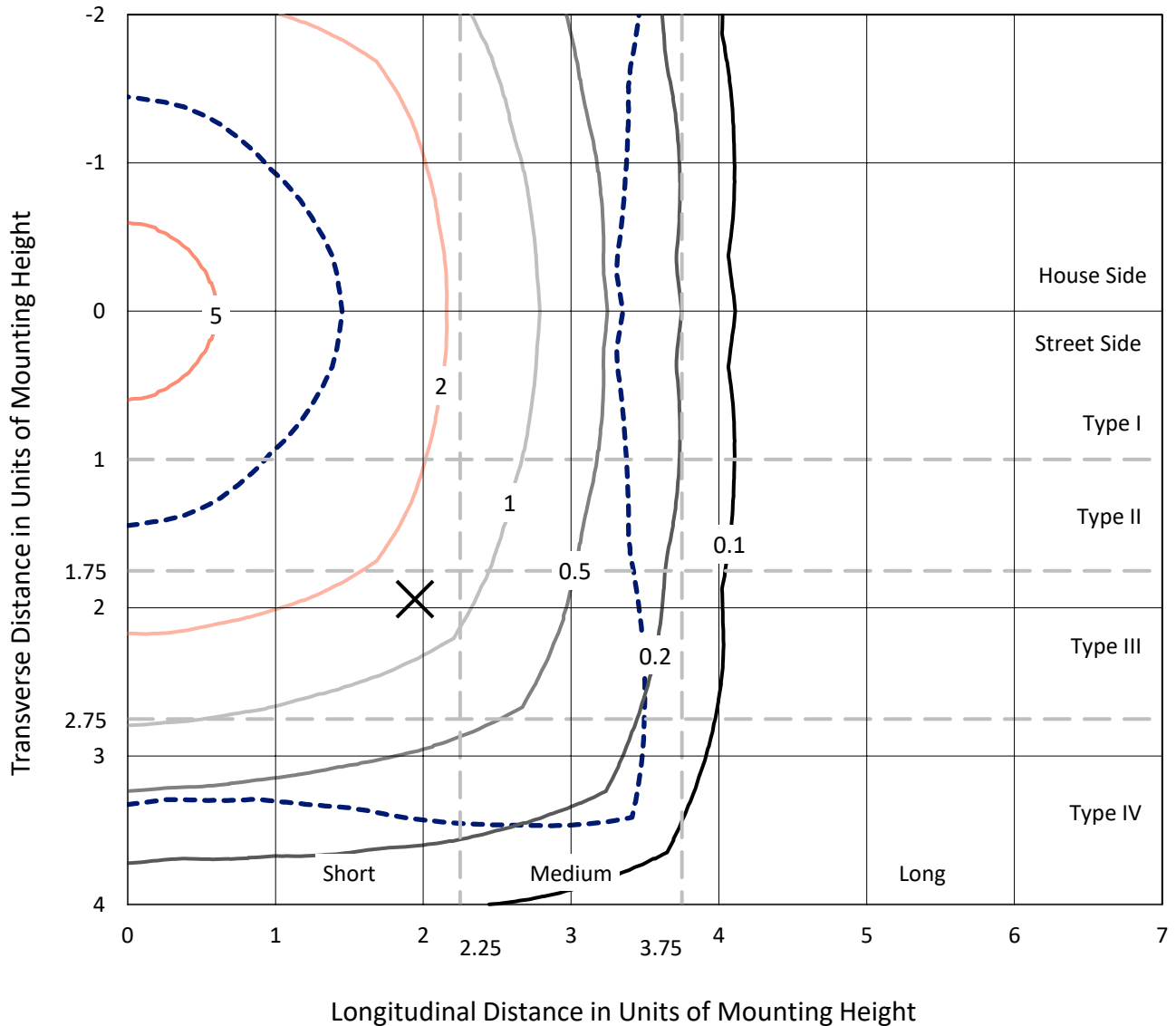
Input Watts (W): 350.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

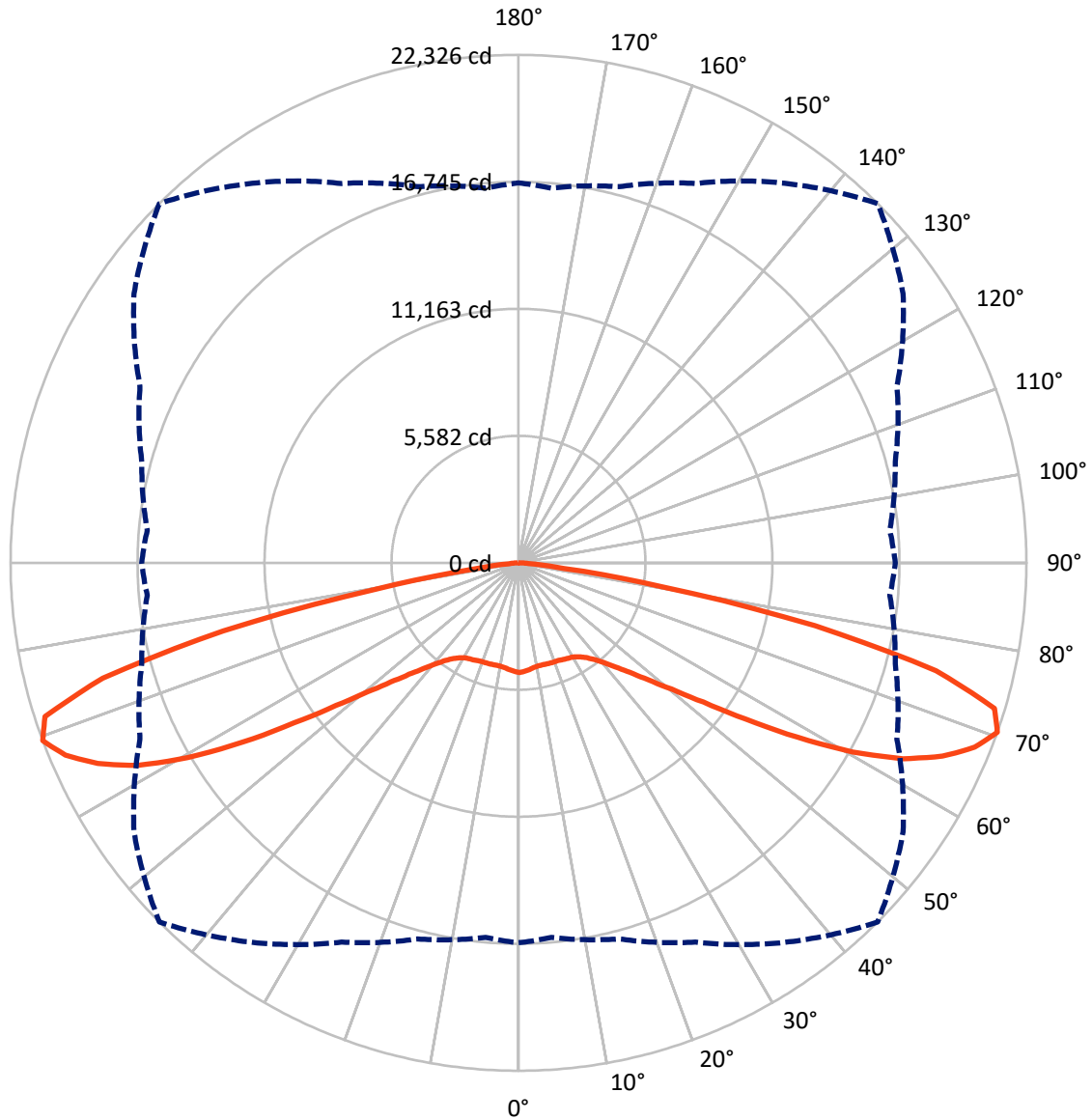
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 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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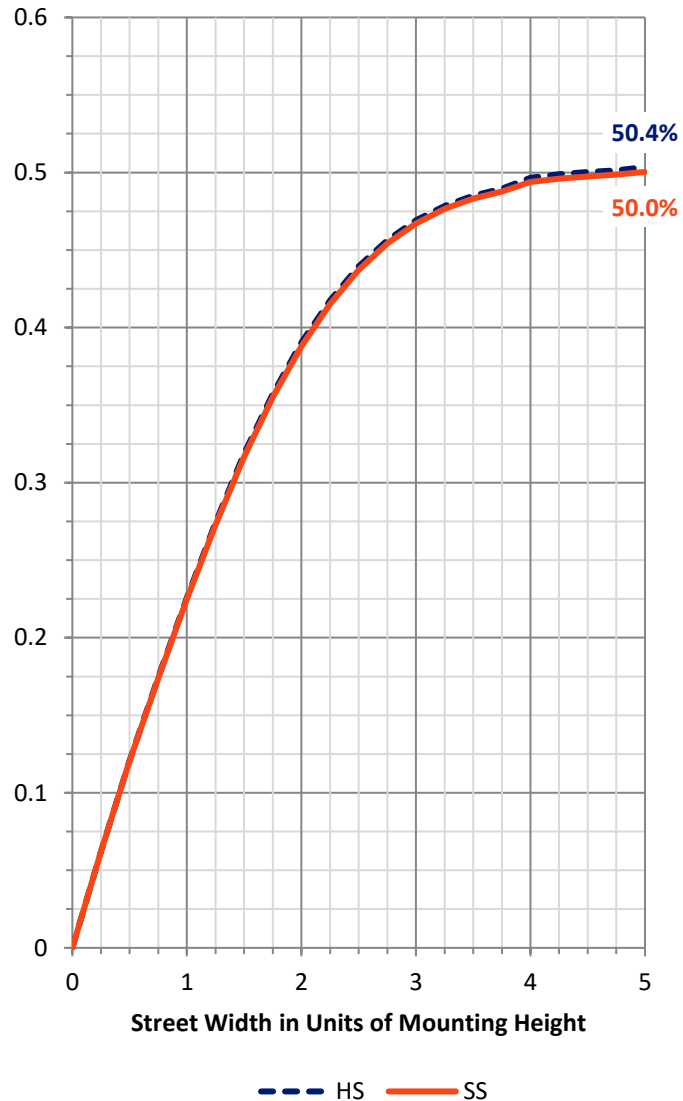
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	26433.0	0.0	26433.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	26433.0	0.0	26433.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	52866.0	0.0	52866.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	448.6	0.8
10°-20°	1317.2	2.5
20°-30°	2192.0	4.1
30°-40°	3315.0	6.3
40°-50°	5508.7	10.4
50°-60°	10394.8	19.7
60°-70°	17552.0	33.2
70°-80°	11533.5	21.8
80°-90°	604.2	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°	52866.0	100.0
0°-180°	52866.0	100.0

**Coefficient of Utilization**



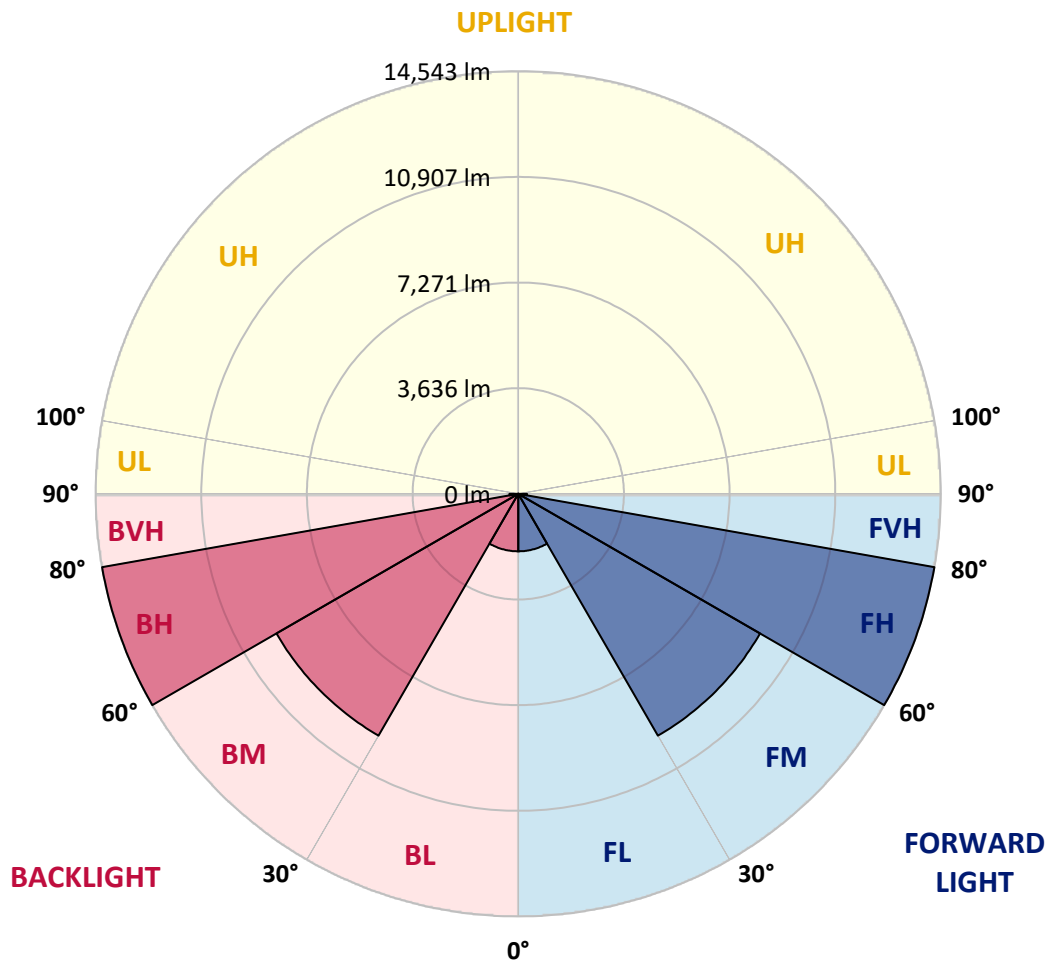
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1978.9	3.7			
FM (30°-60°)	9609.2	18.2			
FH (60°-80°)	14542.7	27.5			G5
FVH (80°-90°)	302.1	0.6			G3/500
BL (0°-30°)	1978.9	3.7	B3/2500		
BM (30°-60°)	9609.2	18.2	B5		
BH (60°-80°)	14542.7	27.5	B5		G5
BVH (80°-90°)	302.1	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



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4822.4	4822.4	4822.4	4822.4	4822.4	4822.4	4822.4	4822.4	4822.4	4822.4
2.5°	4792.2	4806.0	4800.5	4789.5	4789.5	4781.2	4789.5	4795.0	4803.2	4808.7
5°	4729.0	4740.0	4737.3	4729.0	4731.8	4723.5	4729.0	4737.3	4742.8	4745.5
7.5°	4674.1	4685.1	4679.6	4665.8	4665.8	4657.6	4660.3	4668.6	4676.8	4679.6
10°	4660.3	4671.3	4654.8	4632.8	4624.6	4613.6	4616.4	4624.6	4641.1	4649.3
12.5°	4665.8	4674.1	4657.6	4624.6	4616.4	4605.4	4605.4	4613.6	4635.6	4646.6
15°	4682.3	4690.5	4665.8	4630.1	4621.9	4613.6	4610.9	4621.9	4646.6	4665.8
17.5°	4712.5	4720.8	4682.3	4632.8	4621.9	4624.6	4621.9	4630.1	4668.6	4704.3
20°	4740.0	4745.5	4693.3	4632.8	4621.9	4624.6	4621.9	4638.3	4687.8	4737.3
22.5°	4748.3	4753.7	4704.3	4652.1	4643.8	4646.6	4643.8	4660.3	4707.0	4756.5
25°	4751.0	4759.2	4720.8	4679.6	4693.3	4698.8	4693.3	4696.0	4731.8	4775.7
27.5°	4792.2	4803.2	4767.5	4731.8	4740.0	4737.3	4745.5	4753.7	4781.2	4825.2
30°	4877.4	4885.6	4855.4	4819.7	4814.2	4795.0	4819.7	4847.2	4877.4	4915.9
32.5°	5017.5	5034.0	4995.6	4957.1	4932.4	4921.4	4940.6	4987.3	5028.5	5069.7
35°	5251.1	5262.1	5226.4	5154.9	5111.0	5111.0	5127.5	5187.9	5253.9	5306.1
37.5°	5580.8	5594.6	5531.4	5446.2	5380.3	5380.3	5402.2	5465.4	5564.4	5638.5
40°	5982.0	6001.3	5921.6	5833.6	5770.4	5759.5	5786.9	5858.4	5951.8	6045.2
42.5°	6465.6	6487.6	6383.2	6306.3	6256.8	6256.8	6270.6	6336.5	6421.7	6537.1
45°	7083.9	7122.4	6979.5	6902.6	6855.8	6866.8	6875.1	6932.8	7009.7	7141.6
47.5°	7820.3	7858.8	7707.7	7628.0	7619.7	7671.9	7639.0	7680.2	7721.4	7872.5
50°	8655.7	8721.6	8617.2	8611.7	8628.2	8724.4	8647.4	8669.4	8622.7	8718.9
52.5°	9677.9	9774.0	9754.8	9787.8	9971.9	10169.7	9993.9	9916.9	9741.1	9771.3
55°	10917.1	11062.8	11090.2	11288.1	11705.8	12109.7	11736.0	11425.5	11051.8	10983.1
57.5°	12326.8	12442.2	12574.1	12978.0	13758.4	14475.6	13758.4	13071.4	12483.4	12343.3
60°	13843.6	13986.5	14112.9	14709.1	15868.7	16877.2	15846.7	14755.9	13978.2	13788.6
62.5°	15473.0	15657.1	15745.1	16407.3	17759.2	18962.8	17778.5	16456.8	15593.9	15390.6
65°	17036.6	17187.7	17286.6	17992.8	19284.3	20490.6	19372.2	18069.7	17182.2	16915.6
67.5°	17764.7	17847.2	18089.0	18888.6	20251.5	21628.2	20482.3	18973.8	17981.8	17514.7
70°	16698.6	16531.0	17113.5	18394.0	20366.9	22326.1	20630.7	18355.5	17141.0	16382.6
72.5°	12903.8	12615.3	13626.5	15816.5	19048.0	21881.0	19179.9	15940.2	14255.7	12717.0
75°	7020.7	6693.7	8089.6	10859.4	15190.0	18965.5	15539.0	11169.9	9007.4	6968.5
77.5°	1981.2	1857.5	2984.1	5253.9	9136.5	13316.0	9488.3	5369.3	3539.2	2099.3
80°	607.3	588.0	796.9	1582.8	3879.9	6377.7	3728.8	1602.0	1013.9	640.2
82.5°	360.0	329.7	395.7	577.0	989.2	2003.2	961.7	601.8	483.6	324.2
85°	206.1	192.3	233.6	280.3	332.5	425.9	277.5	285.8	258.3	173.1
87.5°	85.2	76.9	90.7	87.9	76.9	98.9	74.2	87.9	104.4	68.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4822.4
4806.0
4745.5
4679.6
4649.3
4649.3
4668.6
4704.3
4740.0
4756.5
4773.0
4814.2
4907.6
5053.3
5286.8
5611.1
6015.0
6528.8
7136.1
7828.6
8661.2
9669.6
10875.9
12244.3
13623.7
15225.7
16783.8
17520.2
16563.9
13098.9
7421.9
2332.9
676.0
351.7
181.4
63.2
0.0

OF REPORT)