

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: P849021

Luminaire Tested: **GLAN-SB5D-840-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849021  
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-SB5D-840-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 46240 lumens  
Efficiency: N/A  
Efficacy: 126.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

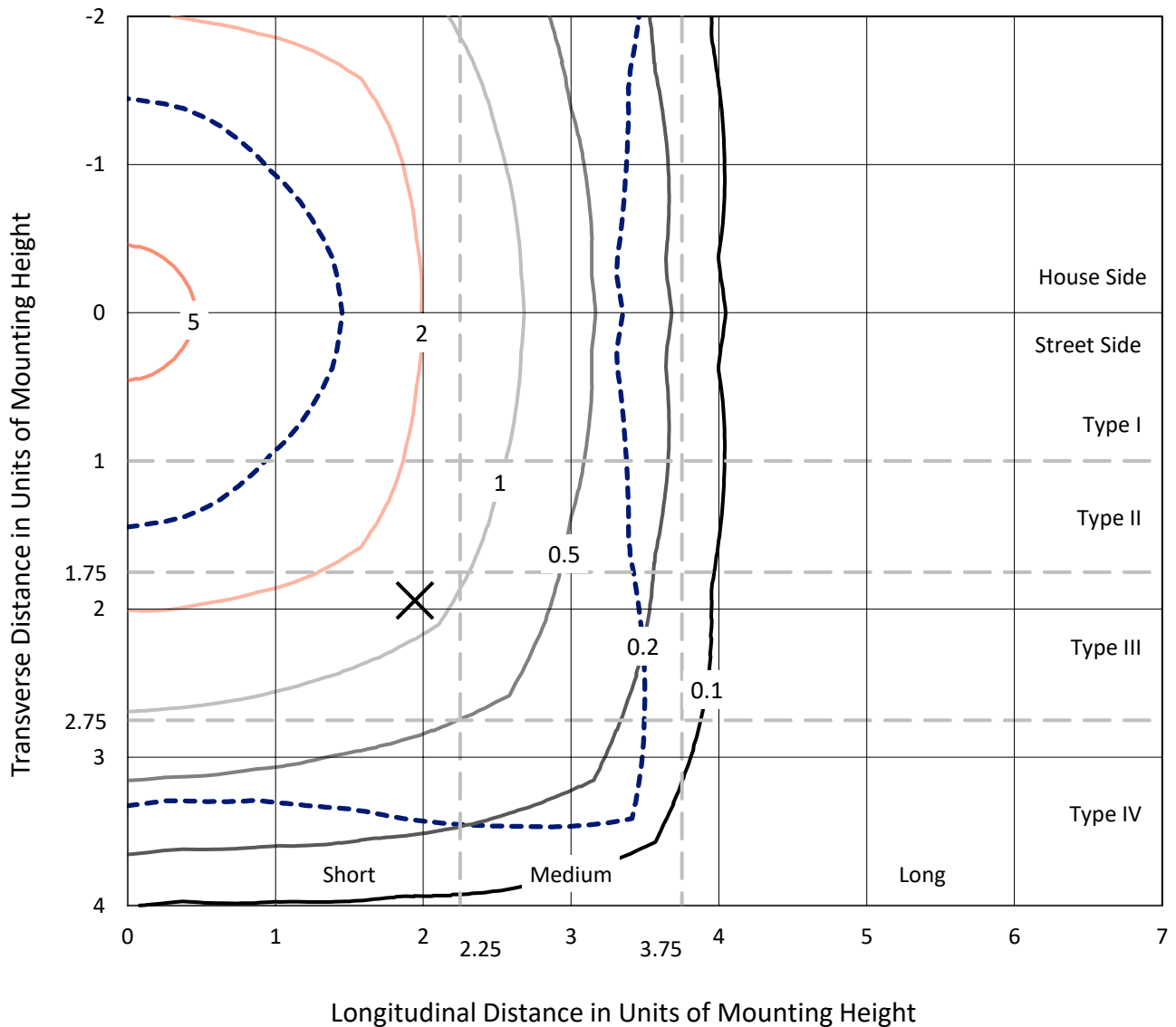
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

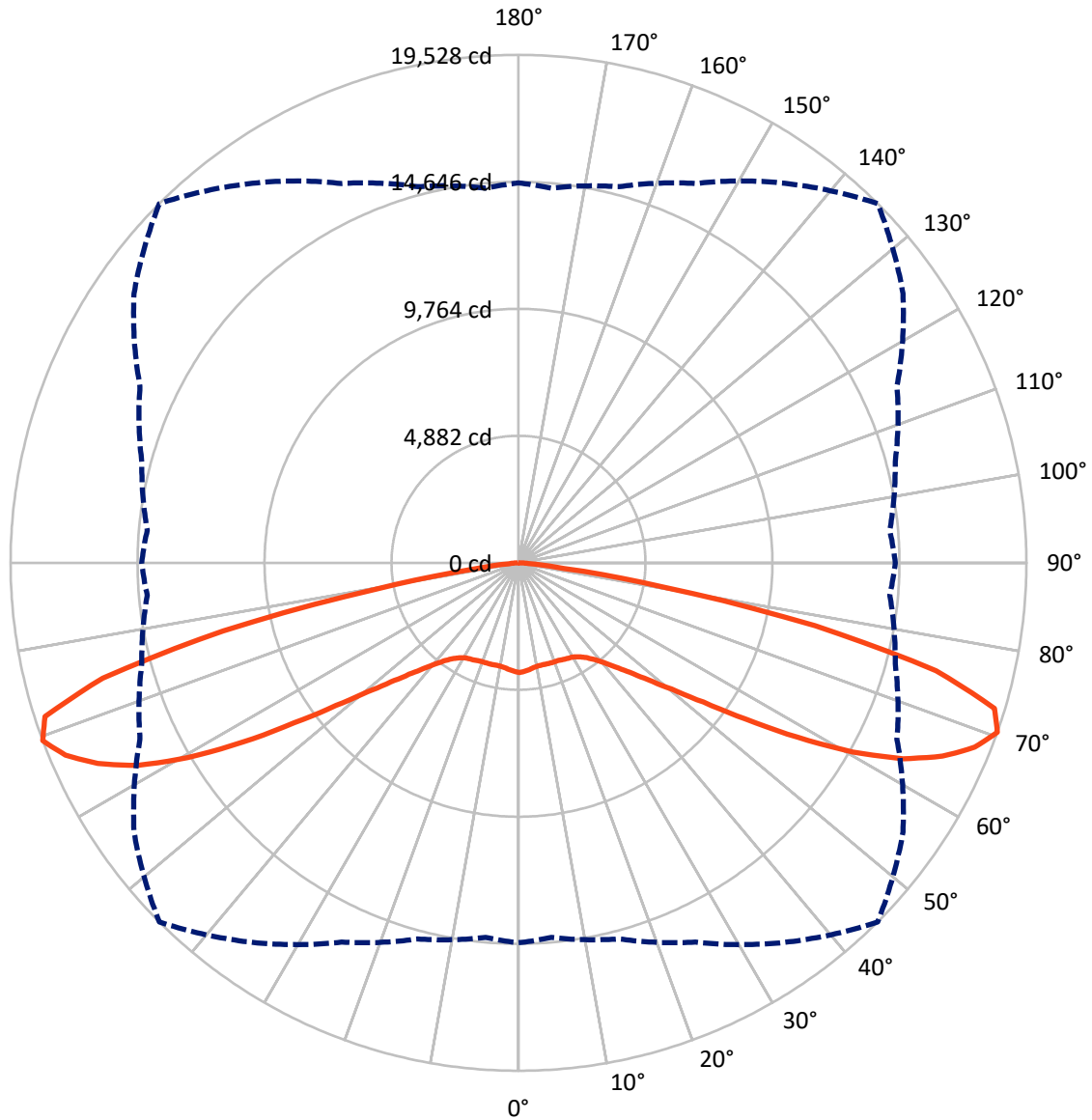
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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	23120.0	0.0	23120.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	23120.0	0.0	23120.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	46240.0	0.0	46240.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	392.4	0.8
10°-20°	1152.1	2.5
20°-30°	1917.3	4.1
30°-40°	2899.5	6.3
40°-50°	4818.3	10.4
50°-60°	9091.9	19.7
60°-70°	15352.1	33.2
70°-80°	10087.9	21.8
80°-90°	528.5	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°	46240.0	100.0
0°-180°	46240.0	100.0

**Coefficient of Utilization**



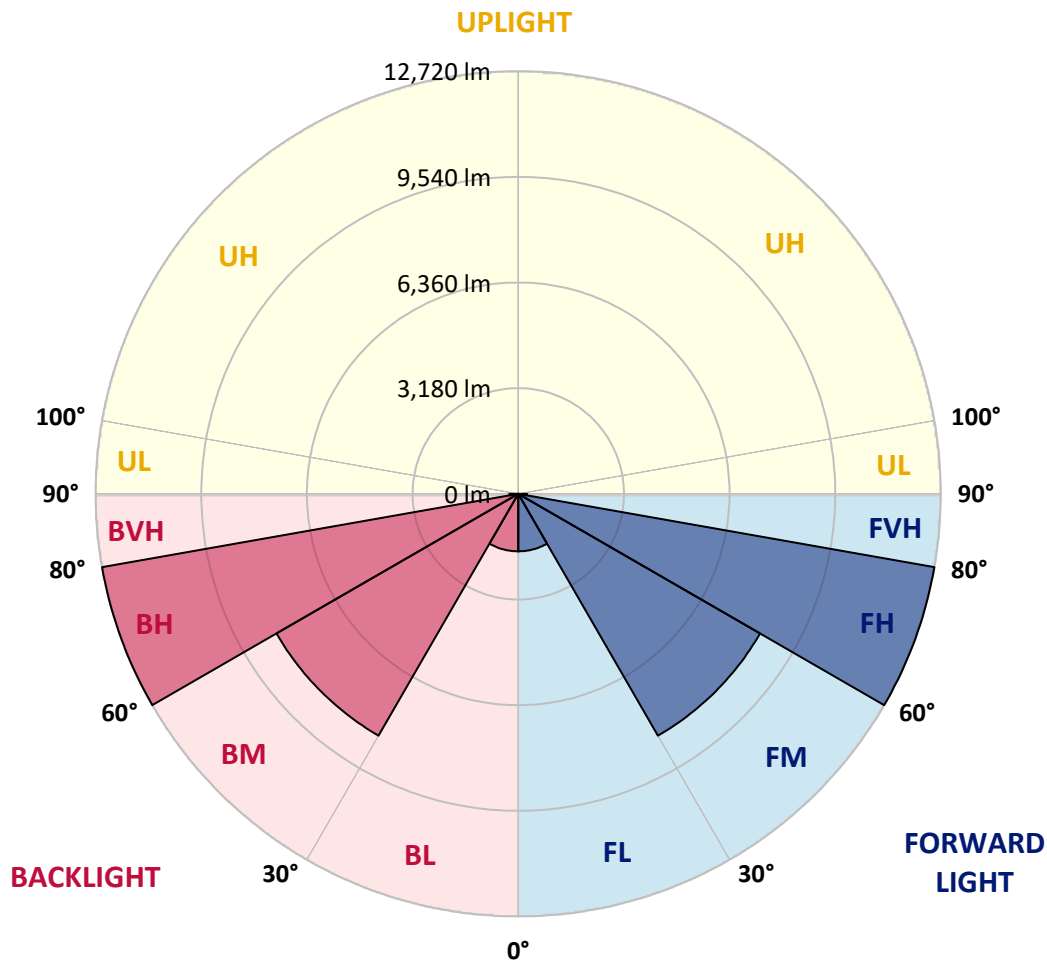
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1730.9	3.7			
FM (30°-60°)	8404.9	18.2			
FH (60°-80°)	12720.0	27.5			G5
FVH (80°-90°)	264.2	0.6			G3/500
BL (0°-30°)	1730.9	3.7	B3/2500		
BM (30°-60°)	8404.9	18.2	B4/8500		
BH (60°-80°)	12720.0	27.5	B5		G5
BVH (80°-90°)	264.2	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°	4218.0	4218.0	4218.0	4218.0	4218.0	4218.0	4218.0	4218.0	4218.0	4218.0
2.5°	4191.6	4203.6	4198.8	4189.2	4189.2	4182.0	4189.2	4194.0	4201.2	4206.0
5°	4136.3	4145.9	4143.5	4136.3	4138.7	4131.5	4136.3	4143.5	4148.3	4150.7
7.5°	4088.2	4097.8	4093.0	4081.0	4081.0	4073.8	4076.2	4083.4	4090.6	4093.0
10°	4076.2	4085.8	4071.4	4052.2	4045.0	4035.4	4037.8	4045.0	4059.4	4066.6
12.5°	4081.0	4088.2	4073.8	4045.0	4037.8	4028.1	4028.1	4035.4	4054.6	4064.2
15°	4095.4	4102.7	4081.0	4049.8	4042.6	4035.4	4033.0	4042.6	4064.2	4081.0
17.5°	4121.9	4129.1	4095.4	4052.2	4042.6	4045.0	4042.6	4049.8	4083.4	4114.7
20°	4145.9	4150.7	4105.1	4052.2	4042.6	4045.0	4042.6	4057.0	4100.3	4143.5
22.5°	4153.1	4157.9	4114.7	4069.0	4061.8	4064.2	4061.8	4076.2	4117.1	4160.3
25°	4155.5	4162.7	4129.1	4093.0	4105.1	4109.9	4105.1	4107.5	4138.7	4177.2
27.5°	4191.6	4201.2	4170.0	4138.7	4145.9	4143.5	4150.7	4157.9	4182.0	4220.4
30°	4266.1	4273.3	4246.9	4215.6	4210.8	4194.0	4215.6	4239.6	4266.1	4299.7
32.5°	4388.7	4403.1	4369.4	4335.8	4314.2	4304.5	4321.4	4362.2	4398.3	4434.3
35°	4593.0	4602.6	4571.3	4508.8	4470.4	4470.4	4484.8	4537.7	4595.4	4641.0
37.5°	4881.4	4893.4	4838.1	4763.6	4705.9	4705.9	4725.1	4780.4	4866.9	4931.8
40°	5232.3	5249.1	5179.4	5102.5	5047.2	5037.6	5061.6	5124.1	5205.8	5287.5
42.5°	5655.3	5674.5	5583.2	5515.9	5472.6	5472.6	5484.6	5542.3	5616.8	5717.8
45°	6196.0	6229.7	6104.7	6037.4	5996.6	6006.2	6013.4	6063.9	6131.1	6246.5
47.5°	6840.2	6873.8	6741.6	6671.9	6664.7	6710.4	6681.5	6717.6	6753.6	6885.8
50°	7570.8	7628.5	7537.2	7532.3	7546.8	7630.9	7563.6	7582.8	7542.0	7626.1
52.5°	8464.9	8549.0	8532.2	8561.0	8722.0	8895.1	8741.3	8674.0	8520.2	8546.6
55°	9548.8	9676.2	9700.2	9873.3	10238.6	10591.9	10265.0	9993.5	9666.6	9606.5
57.5°	10781.8	10882.7	10998.1	11351.4	12034.0	12661.3	12034.0	11433.1	10918.8	10796.2
60°	12108.5	12233.5	12344.0	12865.6	13879.8	14761.9	13860.6	12906.4	12226.2	12060.4
62.5°	13533.7	13694.7	13771.7	14350.9	15533.4	16586.1	15550.2	14394.1	13639.5	13461.6
65°	14901.3	15033.5	15120.0	15737.7	16867.3	17922.4	16944.2	15805.0	15028.6	14795.5
67.5°	15538.2	15610.3	15821.8	16521.2	17713.3	18917.4	17915.2	16595.7	15728.0	15319.5
70°	14605.6	14459.0	14968.6	16088.6	17814.2	19527.9	18044.9	16054.9	14992.6	14329.2
72.5°	11286.5	11034.1	11918.6	13834.1	16660.6	19138.5	16775.9	13942.3	12469.0	11123.1
75°	6140.8	5854.8	7075.7	9498.4	13286.2	16588.5	13591.4	9769.9	7878.4	6095.1
77.5°	1732.9	1624.7	2610.1	4595.4	7991.4	11647.0	8299.0	4696.3	3095.6	1836.2
80°	531.2	514.3	697.0	1384.4	3393.6	5578.4	3261.5	1401.2	886.9	560.0
82.5°	314.8	288.4	346.1	504.7	865.2	1752.1	841.2	526.4	423.0	283.6
85°	180.3	168.2	204.3	245.1	290.8	372.5	242.7	250.0	225.9	151.4
87.5°	74.5	67.3	79.3	76.9	67.3	86.5	64.9	76.9	91.3	60.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
4218.0
4203.6
4150.7
4093.0
4066.6
4066.6
4083.4
4114.7
4145.9
4160.3
4174.8
4210.8
4292.5
4419.9
4624.2
4907.8
5261.1
5710.5
6241.7
6847.4
7575.6
8457.7
9512.8
10709.7
11916.2
13317.4
14680.1
15324.3
14487.9
11457.1
6491.7
2040.5
591.2
307.6
158.6
55.3
0.0

OF REPORT)