

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: P851061

Luminaire Tested: **GLAN-SB8D-840-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P851061  
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-SB8D-840-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(8) 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: 74019 lumens  
Efficiency: N/A  
Efficacy: 126.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G5

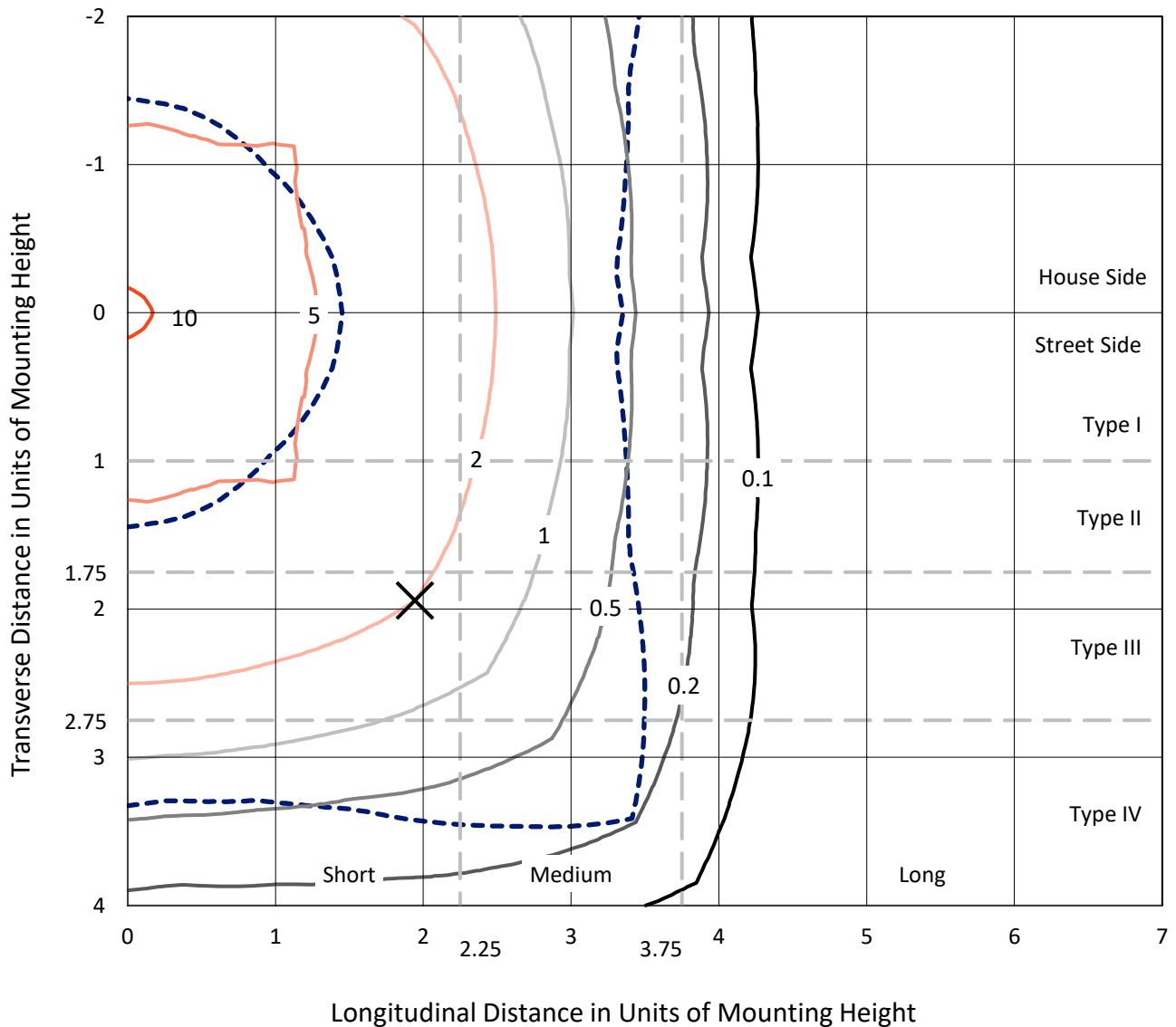
Input Watts (W): 584.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

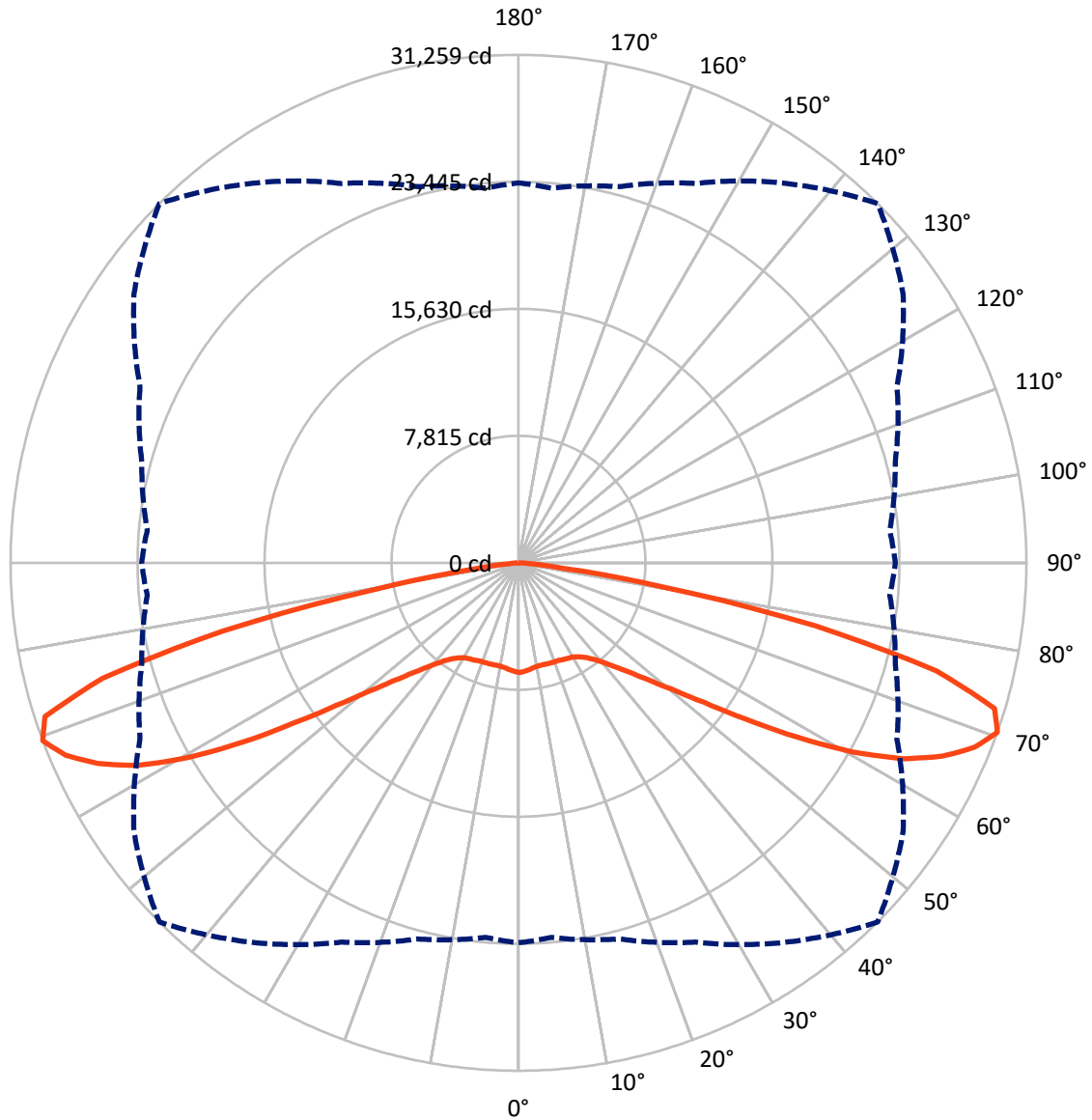
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 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	37009.5	0.0	37009.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	37009.5	0.0	37009.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	74019.0	0.0	74019.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	628.1	0.8
10°-20°	1844.3	2.5
20°-30°	3069.1	4.1
30°-40°	4641.4	6.3
40°-50°	7712.9	10.4
50°-60°	14554.0	19.7
60°-70°	24575.0	33.2
70°-80°	16148.3	21.8
80°-90°	846.0	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°	74019.0	100.0
0°-180°	74019.0	100.0

**Coefficient of Utilization**



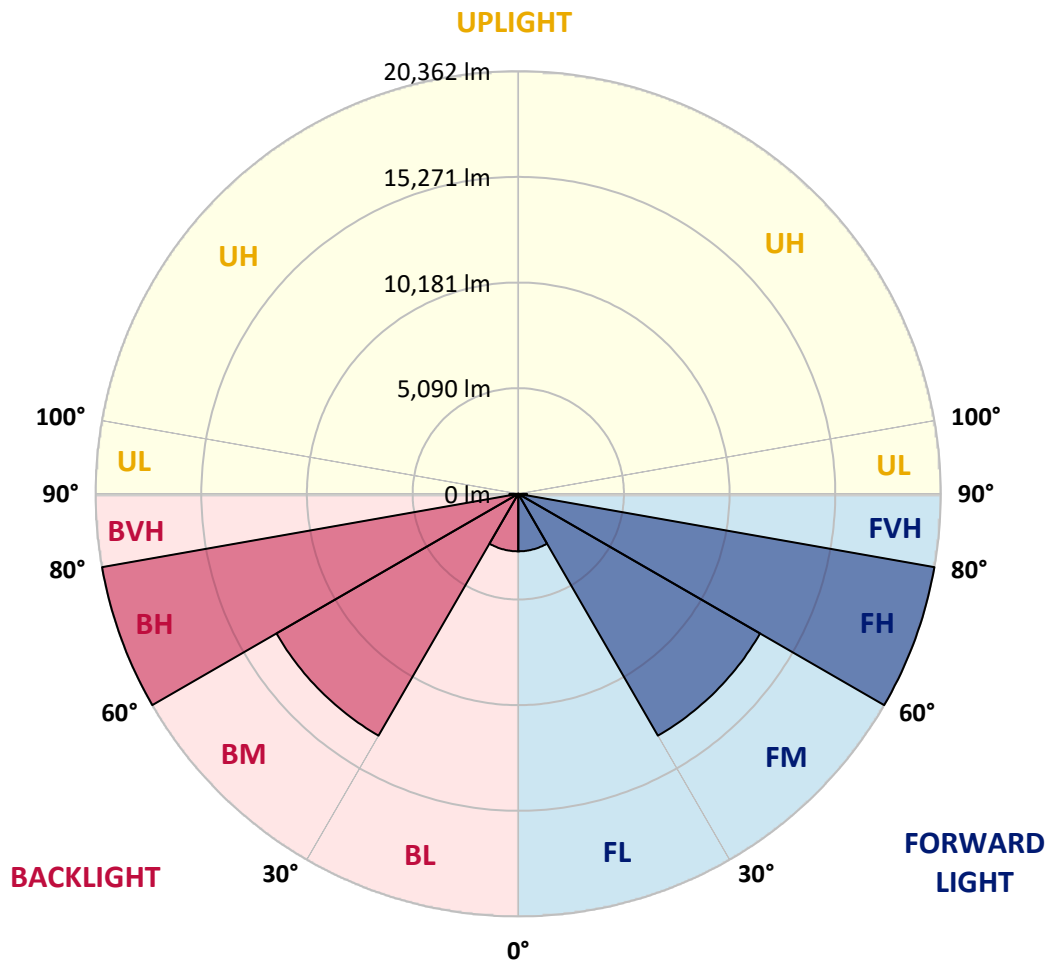
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2770.7	3.7			
FM (30°-60°)	13454.1	18.2			
FH (60°-80°)	20361.6	27.5			G5
FVH (80°-90°)	423.0	0.6			G3/500
BL (0°-30°)	2770.7	3.7	B4/5000		
BM (30°-60°)	13454.1	18.2	B5		
BH (60°-80°)	20361.6	27.5	B5		G5
BVH (80°-90°)	423.0	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°	6752.0	6752.0	6752.0	6752.0	6752.0	6752.0	6752.0	6752.0	6752.0	6752.0
2.5°	6709.7	6728.9	6721.2	6705.9	6705.9	6694.3	6705.9	6713.6	6725.1	6732.8
5°	6621.2	6636.6	6632.8	6621.2	6625.1	6613.5	6621.2	6632.8	6640.5	6644.3
7.5°	6544.3	6559.7	6552.0	6532.7	6532.7	6521.2	6525.0	6536.6	6548.1	6552.0
10°	6525.0	6540.4	6517.3	6486.6	6475.0	6459.6	6463.5	6475.0	6498.1	6509.6
12.5°	6532.7	6544.3	6521.2	6475.0	6463.5	6448.1	6448.1	6459.6	6490.4	6505.8
15°	6555.8	6567.4	6532.7	6482.7	6471.2	6459.6	6455.8	6471.2	6505.8	6532.7
17.5°	6598.1	6609.7	6555.8	6486.6	6471.2	6475.0	6471.2	6482.7	6536.6	6586.6
20°	6636.6	6644.3	6571.2	6486.6	6471.2	6475.0	6471.2	6494.3	6563.5	6632.8
22.5°	6648.1	6655.8	6586.6	6513.5	6501.9	6505.8	6501.9	6525.0	6590.4	6659.7
25°	6652.0	6663.5	6609.7	6552.0	6571.2	6578.9	6571.2	6575.0	6625.1	6686.6
27.5°	6709.7	6725.1	6675.1	6625.1	6636.6	6632.8	6644.3	6655.8	6694.3	6755.9
30°	6829.0	6840.5	6798.2	6748.2	6740.5	6713.6	6748.2	6786.6	6829.0	6882.8
32.5°	7025.2	7048.3	6994.4	6940.5	6905.9	6890.5	6917.5	6982.9	7040.6	7098.3
35°	7352.2	7367.6	7317.6	7217.5	7156.0	7156.0	7179.1	7263.7	7356.1	7429.1
37.5°	7813.9	7833.1	7744.6	7625.4	7533.0	7533.0	7563.8	7652.3	7790.8	7894.7
40°	8375.6	8402.5	8290.9	8167.8	8079.3	8064.0	8102.4	8202.5	8333.3	8464.1
42.5°	9052.7	9083.5	8937.3	8829.6	8760.3	8760.3	8779.6	8871.9	8991.2	9152.7
45°	9918.4	9972.2	9772.2	9664.4	9599.0	9614.4	9626.0	9706.8	9814.5	9999.1
47.5°	10949.4	11003.3	10791.7	10680.1	10668.6	10741.7	10695.5	10753.2	10810.9	11022.5
50°	12119.0	12211.4	12065.2	12057.5	12080.5	12215.2	12107.5	12138.3	12072.8	12207.5
52.5°	13550.2	13684.9	13657.9	13704.1	13961.9	14238.9	13992.7	13884.9	13638.7	13681.0
55°	15285.3	15489.3	15527.7	15804.7	16389.5	16955.1	16431.8	15997.1	15473.9	15377.7
57.5°	17259.0	17420.6	17605.3	18170.8	19263.5	20267.6	19263.5	18301.6	17478.3	17282.1
60°	19382.7	19582.8	19759.8	20594.6	22218.2	23630.2	22187.4	20660.0	19571.2	19305.8
62.5°	21664.2	21922.0	22045.1	22972.3	24865.1	26550.3	24892.1	23041.5	21833.5	21548.8
65°	23853.3	24064.9	24203.4	25192.2	27000.4	28689.4	27123.5	25299.9	24057.2	23684.0
67.5°	24872.8	24988.3	25326.8	26446.4	28354.6	30282.2	28677.8	26565.7	25176.8	24522.7
70°	23380.1	23145.4	23961.0	25753.9	28516.2	31259.4	28885.6	25700.0	23999.5	22937.6
72.5°	18067.0	17663.0	19078.8	22145.1	26669.5	30636.1	26854.2	22318.2	19959.8	17805.3
75°	9829.9	9372.0	11326.5	15204.6	21267.9	26554.1	21756.5	15639.3	12611.5	9756.8
77.5°	2773.9	2600.8	4178.2	7356.1	12792.3	18644.0	13284.7	7517.6	4955.3	2939.3
80°	850.3	823.3	1115.7	2216.0	5432.4	8929.6	5220.8	2243.0	1419.7	896.4
82.5°	504.0	461.7	554.0	807.9	1385.0	2804.7	1346.6	842.6	677.1	454.0
85°	288.5	269.3	327.0	392.4	465.5	596.3	388.6	400.1	361.6	242.4
87.5°	119.3	107.7	127.0	123.1	107.7	138.5	103.9	123.1	146.2	96.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
6752.0
6728.9
6644.3
6552.0
6509.6
6509.6
6536.6
6586.6
6636.6
6659.7
6682.8
6740.5
6871.3
7075.2
7402.2
7856.2
8421.8
9141.2
9991.5
10961.0
12126.7
13538.7
15227.6
17143.6
19074.9
21317.9
23499.3
24530.4
23191.6
18340.1
10391.6
3266.4
946.4
492.5
253.9
88.5
0.0

OF REPORT)