

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: P848344

Luminaire Tested: **GLAN-SB4D-840-U-T1**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848344  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 6/26/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SB4D-840-U-T1  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(4) 80 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 35880 lumens  
Efficiency: N/A  
Efficacy: 122.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B5 - U0 - G5

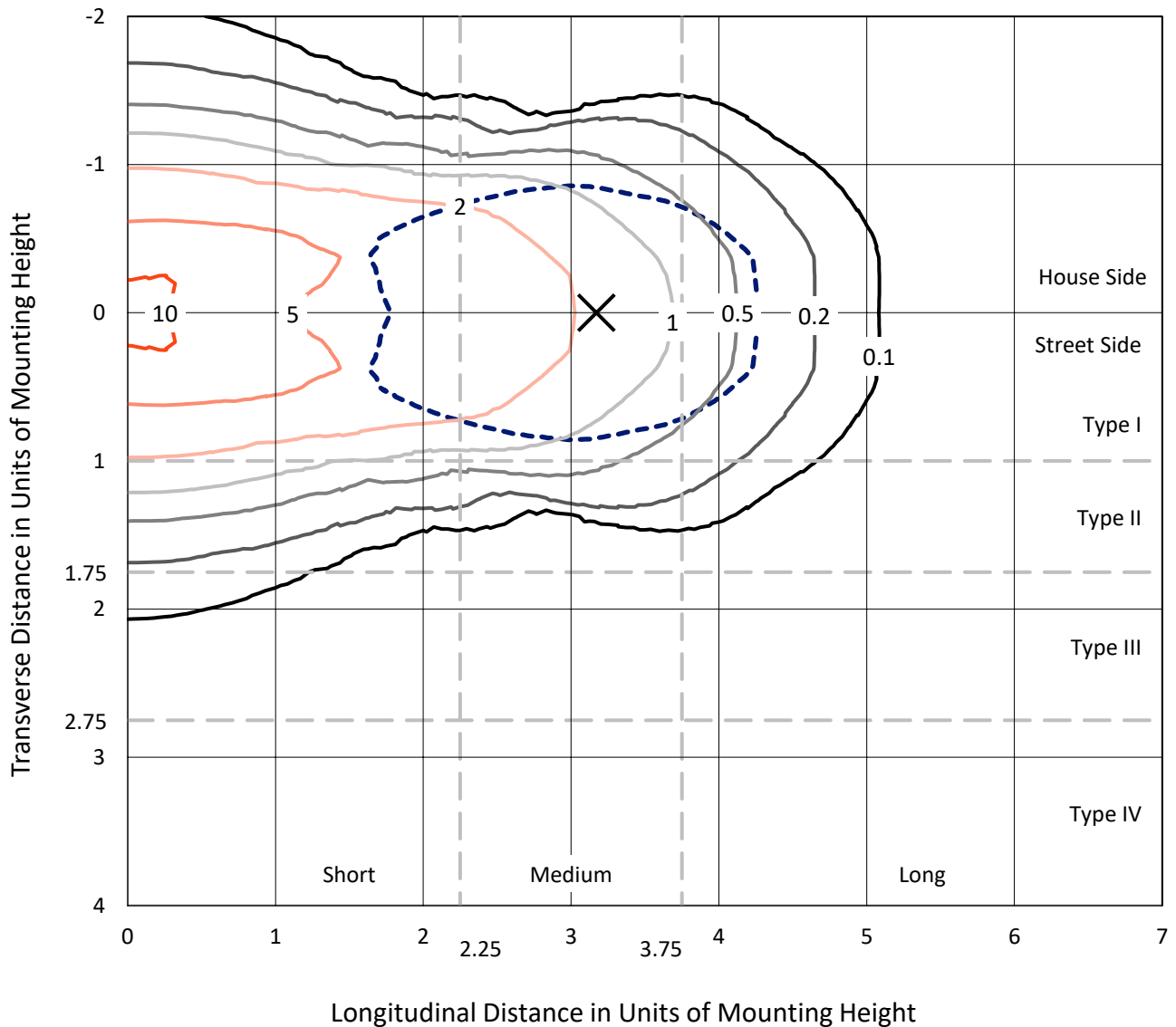
Input Watts (W): 293.6  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

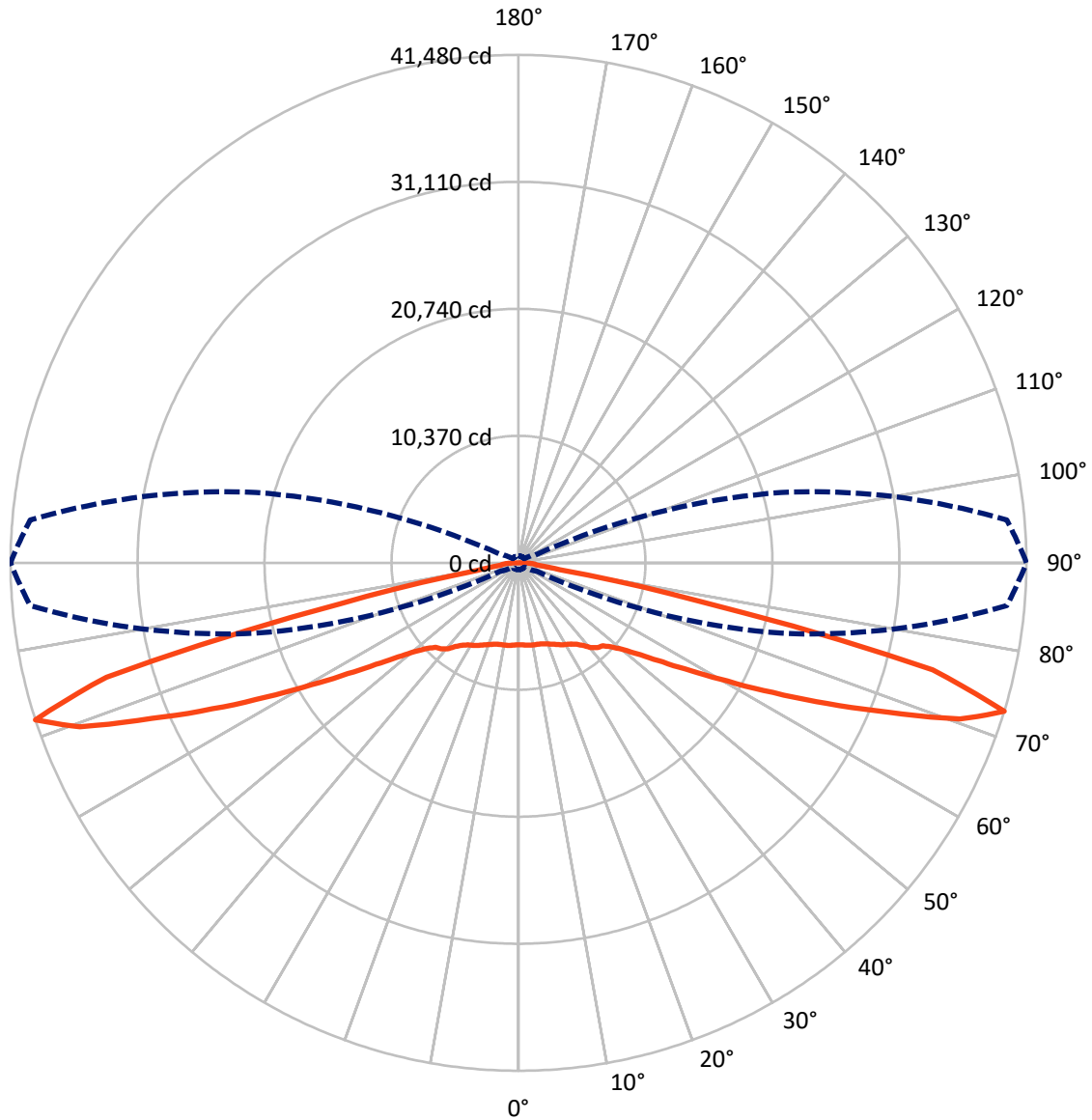
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral      - - - Horizontal Cone Through 72.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17940.0	0.0	17940.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17940.0	0.0	17940.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	35880.0	0.0	35880.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	650.1	1.8
10°-20°	1987.7	5.5
20°-30°	3314.3	9.2
30°-40°	4558.2	12.7
40°-50°	5566.8	15.5
50°-60°	6438.6	17.9
60°-70°	7677.0	21.4
70°-80°	5358.1	14.9
80°-90°	329.1	0.9
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°	35880.0	100.0
0°-180°	35880.0	100.0

**Coefficient of Utilization**



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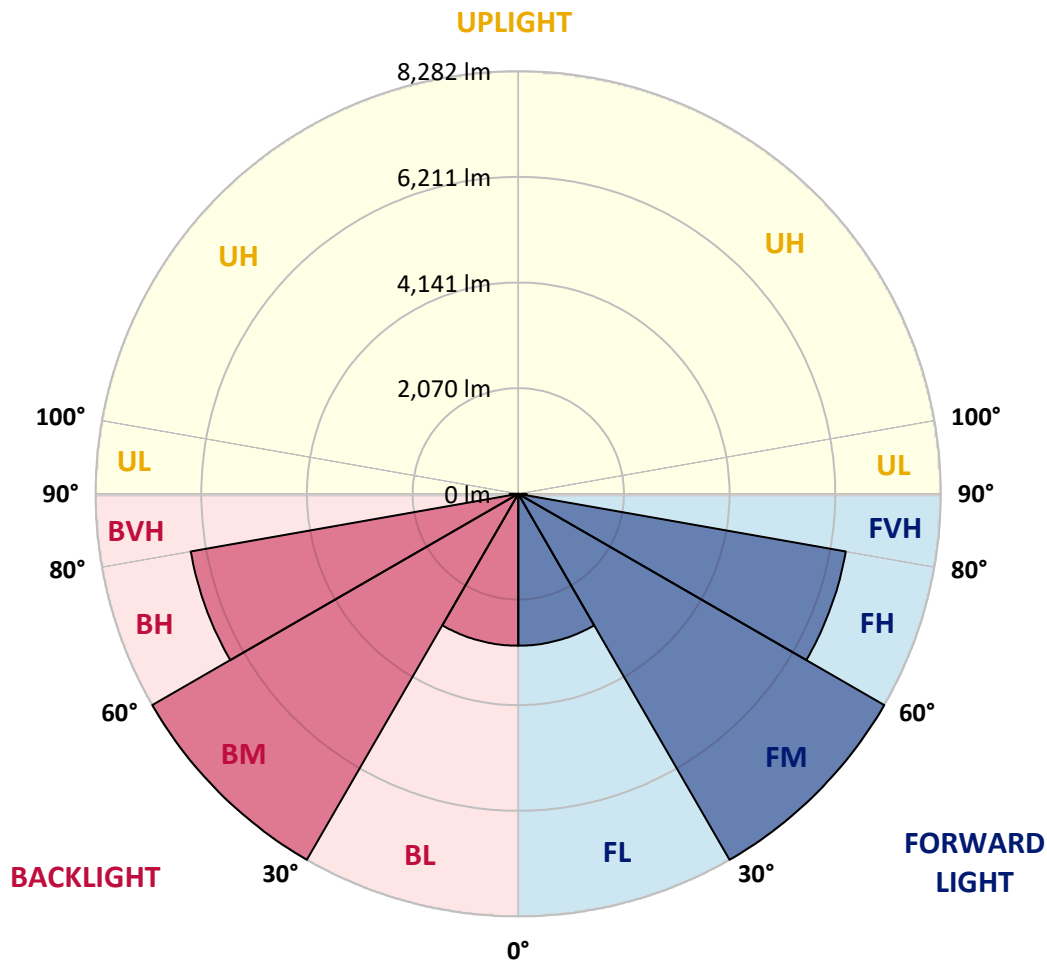
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2976.1	8.3			
FM (30°-60°)	8281.9	23.1			
FH (60°-80°)	6517.5	18.2			G3/7500
FVH (80°-90°)	164.5	0.5			G2/225
BL (0°-30°)	2976.1	8.3	B4/5000		
BM (30°-60°)	8281.9	23.1	B4/8500		
BH (60°-80°)	6517.5	18.2	B5		G5
BVH (80°-90°)	164.5	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**

Type I Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	6704.6	6704.6	6704.6	6704.6	6704.6	6704.6	6704.6	6704.6	6704.6	6704.6
2.5°	6710.3	6717.9	6717.9	6712.2	6725.5	6714.1	6714.1	6708.4	6714.1	6708.4
5°	6744.6	6754.1	6757.9	6756.0	6773.2	6763.7	6763.7	6756.0	6757.9	6752.2
7.5°	6809.4	6822.8	6830.4	6839.9	6864.7	6853.3	6845.7	6822.8	6813.2	6798.0
10°	6830.4	6845.7	6870.5	6920.0	6977.2	6979.1	6956.3	6899.1	6855.2	6820.9
12.5°	6765.6	6786.6	6838.0	6939.1	7066.9	7118.3	7082.1	6986.8	6901.0	6839.9
15°	6683.6	6706.5	6784.6	6937.2	7126.0	7246.1	7242.3	7116.4	6979.1	6883.8
17.5°	6555.8	6578.7	6691.2	6904.8	7171.7	7370.1	7423.4	7293.8	7101.2	6973.4
20°	6325.1	6346.1	6502.4	6801.8	7187.0	7501.6	7640.8	7526.4	7286.2	7112.6
22.5°	6025.7	6058.1	6241.2	6624.5	7150.8	7638.9	7888.7	7810.5	7501.6	7261.4
25°	5705.4	5739.7	5953.2	6407.1	7057.3	7738.1	8182.4	8132.8	7745.7	7446.3
27.5°	5428.9	5465.1	5697.7	6191.6	6912.4	7776.2	8472.2	8497.0	8041.3	7650.4
30°	5211.5	5245.8	5493.7	6018.1	6725.5	7738.1	8725.8	8897.5	8342.6	7827.7
32.5°	4973.1	5017.0	5278.2	5806.4	6504.3	7646.6	8947.0	9330.3	8691.5	8018.4
35°	4671.8	4711.9	4986.5	5516.6	6214.5	7499.7	9132.0	9810.8	9191.1	8308.2
37.5°	4305.7	4343.9	4616.5	5154.3	5926.6	7293.8	9273.1	10352.4	9786.1	8725.8
40°	3937.7	3973.9	4229.4	4750.0	5581.4	7030.6	9322.7	10882.5	10468.7	9299.8
42.5°	3600.2	3632.6	3867.1	4351.5	5194.3	6695.0	9257.9	11344.0	11080.8	9700.3
45°	3289.4	3318.0	3525.8	3977.7	4792.0	6287.0	9063.4	11839.8	11809.2	9986.3
47.5°	2934.7	2963.3	3178.8	3615.4	4389.6	5808.3	8733.5	12327.9	12821.8	10634.6
50°	2501.8	2526.6	2747.8	3197.8	3972.0	5299.2	8275.8	12711.2	14099.4	11616.7
52.5°	1988.9	2015.6	2231.0	2681.1	3476.2	4751.9	7673.2	12961.0	15575.3	13050.6
55°	1479.7	1498.8	1685.7	2089.9	2862.2	4128.4	6918.1	13031.6	17249.6	15010.9
57.5°	1073.6	1085.0	1205.1	1506.4	2170.0	3348.5	6000.9	12848.5	19242.2	17524.1
60°	869.5	873.3	909.6	1043.1	1508.3	2467.5	4893.0	12219.2	21404.6	20763.9
62.5°	789.4	789.4	799.0	835.2	1020.2	1628.5	3552.5	10914.9	23723.4	24858.0
65°	734.1	734.1	738.0	755.1	804.7	1037.3	2242.5	8790.7	25677.9	29653.7
67.5°	684.6	686.5	684.6	690.3	718.9	766.6	1300.5	6071.5	26730.5	34623.0
70°	633.1	636.9	627.4	627.4	650.2	652.1	814.2	3329.4	25857.2	38787.7
72.5°	572.1	577.8	562.5	558.7	575.9	568.2	612.1	1598.0	22199.8	40030.9
75°	518.7	526.3	492.0	482.4	482.4	476.7	497.7	820.0	14408.3	32655.2
77.5°	471.0	486.3	431.0	400.4	392.8	375.7	406.2	501.5	6302.2	15331.2
80°	389.0	410.0	354.7	318.4	305.1	286.0	320.4	350.9	1874.5	3560.1
82.5°	289.8	299.4	251.7	226.9	215.5	202.1	240.3	244.1	610.2	1260.4
85°	185.0	188.8	154.5	133.5	127.8	122.0	152.5	133.5	232.6	926.7
87.5°	64.8	74.4	59.1	53.4	57.2	47.7	70.6	40.0	64.8	654.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6704.6  
6708.4  
6752.2  
6798.0  
6815.2  
6830.4  
6868.5  
6952.4  
7080.2  
7217.5  
7385.3  
7585.5  
7734.3  
7900.2  
8176.7  
8550.4  
9112.9  
9460.0  
9662.1  
10260.9  
11147.6  
12472.8  
14288.2  
16614.6  
19617.9  
23322.9  
27712.5  
32527.4  
38236.6  
41480.2  
34928.1  
15012.8  
3409.5  
1424.4  
1346.3  
810.4  
0.0

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