

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: P848684

Luminaire Tested: **GLAN-SB5B-840-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848684
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-SB5B-840-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 4000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25025 lumens
Efficiency: N/A
Efficacy: 137.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

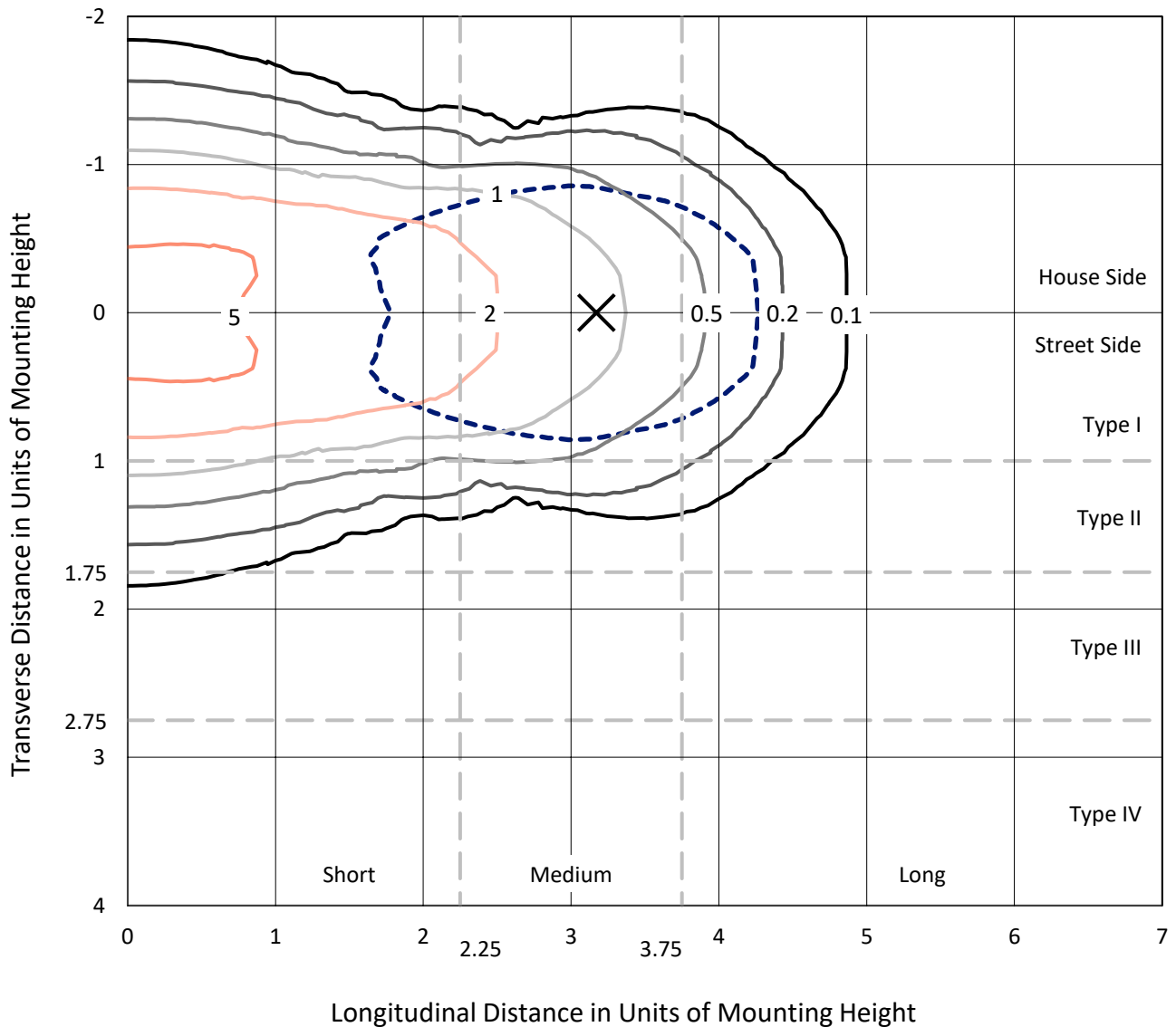
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

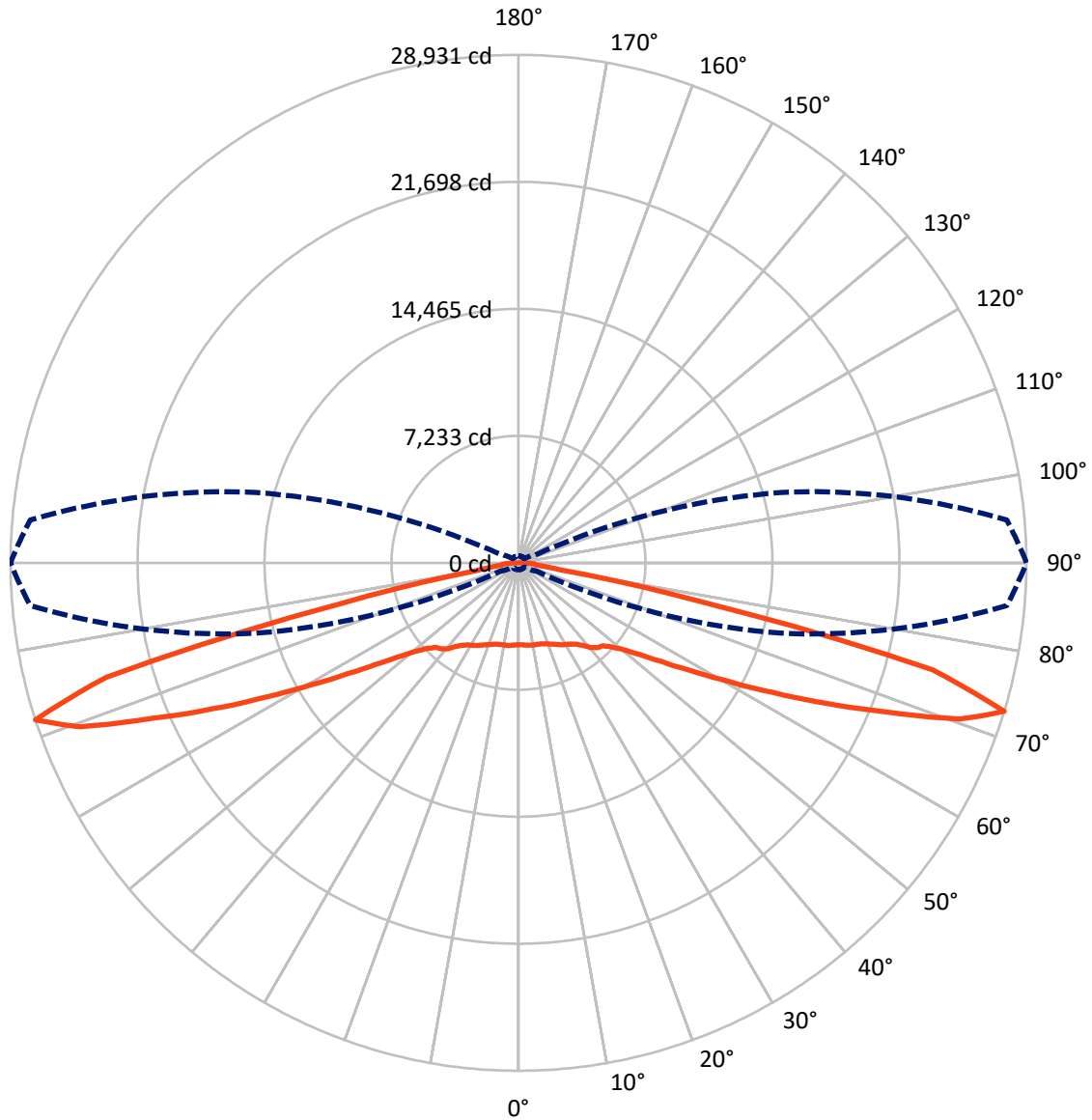
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 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
House Side	Lumens	12512.5	0.0	12512.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12512.5	0.0	12512.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25025.0	0.0	25025.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.4	1.8
10°-20°	1386.4	5.5
20°-30°	2311.6	9.2
30°-40°	3179.2	12.7
40°-50°	3882.7	15.5
50°-60°	4490.7	17.9
60°-70°	5354.4	21.4
70°-80°	3737.1	14.9
80°-90°	229.5	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°	25025.0	100.0
0°-180°	25025.0	100.0

Coefficient of Utilization

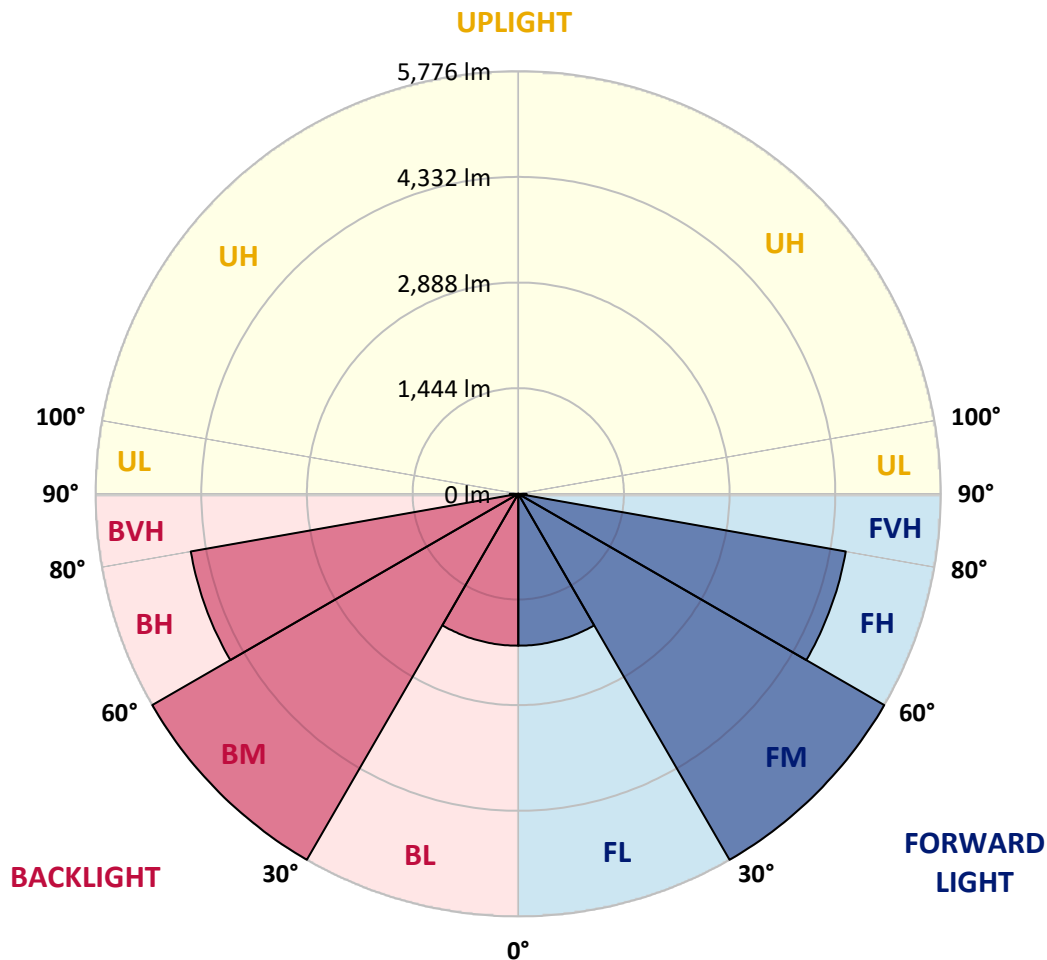


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2075.7	8.3			
FM (30°-60°)	5776.3	23.1			
FH (60°-80°)	4545.7	18.2			G2/5000
FVH (80°-90°)	114.8	0.5			G2/225
BL (0°-30°)	2075.7	8.3	B3/2500		
BM (30°-60°)	5776.3	23.1	B4/8500		
BH (60°-80°)	4545.7	18.2	B4/5000		G4/5000
BVH (80°-90°)	114.8	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
 Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4676.2	4676.2	4676.2	4676.2	4676.2	4676.2	4676.2	4676.2	4676.2	4676.2
2.5°	4680.2	4685.5	4685.5	4681.5	4690.8	4682.8	4682.8	4678.8	4682.8	4678.8
5°	4704.1	4710.8	4713.4	4712.1	4724.1	4717.4	4717.4	4712.1	4713.4	4709.4
7.5°	4749.3	4758.6	4764.0	4770.6	4787.9	4779.9	4774.6	4758.6	4752.0	4741.4
10°	4764.0	4774.6	4791.9	4826.5	4866.4	4867.7	4851.7	4811.8	4781.3	4757.3
12.5°	4718.7	4733.4	4769.3	4839.8	4928.9	4964.8	4939.5	4873.0	4813.2	4770.6
15°	4661.6	4677.5	4732.0	4838.4	4970.1	5053.9	5051.2	4963.5	4867.7	4801.2
17.5°	4572.4	4588.4	4666.9	4815.8	5002.0	5140.3	5177.6	5087.1	4952.8	4863.7
20°	4411.5	4426.2	4535.2	4744.0	5012.7	5232.1	5329.2	5249.4	5081.8	4960.8
22.5°	4202.7	4225.3	4353.0	4620.3	4987.4	5327.9	5502.1	5447.6	5232.1	5064.5
25°	3979.3	4003.2	4152.2	4468.7	4922.2	5397.0	5706.9	5672.3	5402.4	5193.5
27.5°	3786.4	3811.7	3974.0	4318.4	4821.2	5423.6	5909.1	5926.4	5608.5	5335.9
30°	3634.8	3658.8	3831.7	4197.4	4690.8	5397.0	6086.0	6205.7	5818.6	5459.5
32.5°	3468.6	3499.2	3681.4	4049.8	4536.5	5333.2	6240.2	6507.6	6062.0	5592.5
35°	3258.4	3286.4	3477.9	3847.6	4334.4	5230.8	6369.2	6842.7	6410.5	5794.7
37.5°	3003.1	3029.7	3219.9	3594.9	4133.6	5087.1	6467.7	7220.4	6825.4	6086.0
40°	2746.4	2771.7	2949.9	3313.0	3892.8	4903.6	6502.2	7590.2	7301.6	6486.3
42.5°	2511.0	2533.6	2697.2	3035.0	3622.8	4669.5	6457.0	7912.0	7728.5	6765.6
45°	2294.2	2314.2	2459.1	2774.3	3342.2	4384.9	6321.4	8257.8	8236.5	6965.1
47.5°	2046.8	2066.8	2217.1	2521.6	3061.6	4051.1	6091.3	8598.3	8942.7	7417.3
50°	1744.9	1762.2	1916.5	2230.4	2770.3	3696.0	5772.1	8865.6	9833.8	8102.2
52.5°	1387.2	1405.8	1556.1	1869.9	2424.5	3314.3	5351.8	9039.8	10863.2	9102.3
55°	1032.1	1045.4	1175.7	1457.7	1996.3	2879.4	4825.1	9089.0	12030.9	10469.5
57.5°	748.8	756.8	840.5	1050.7	1513.5	2335.4	4185.4	8961.4	13420.8	12222.5
60°	606.5	609.1	634.4	727.5	1052.0	1721.0	3412.7	8522.5	14928.9	14482.1
62.5°	550.6	550.6	557.3	582.5	711.5	1135.8	2477.7	7612.8	16546.2	17337.5
65°	512.0	512.0	514.7	526.7	561.2	723.5	1564.0	6131.2	17909.4	20682.4
67.5°	477.5	478.8	477.5	481.5	501.4	534.6	907.0	4234.6	18643.6	24148.3
70°	441.6	444.2	437.6	437.6	453.5	454.9	567.9	2322.1	18034.4	27053.0
72.5°	399.0	403.0	392.3	389.7	401.7	396.3	426.9	1114.5	15483.5	27920.1
75°	361.8	367.1	343.1	336.5	336.5	332.5	347.1	571.9	10049.3	22775.8
77.5°	328.5	339.1	300.6	279.3	274.0	262.0	283.3	349.8	4395.6	10693.0
80°	271.3	285.9	247.4	222.1	212.8	199.5	223.4	244.7	1307.4	2483.1
82.5°	202.2	208.8	175.6	158.3	150.3	141.0	167.6	170.2	425.6	879.1
85°	129.0	131.7	107.7	93.1	89.1	85.1	106.4	93.1	162.3	646.4
87.5°	45.2	51.9	41.2	37.2	39.9	33.2	49.2	27.9	45.2	456.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4676.2
4678.8
4709.4
4741.4
4753.3
4764.0
4790.6
4849.1
4938.2
5033.9
5151.0
5290.6
5394.4
5510.1
5702.9
5963.6
6355.9
6598.0
6739.0
7156.6
7775.0
8699.4
9965.5
11588.1
13682.8
16266.9
19328.5
22686.7
26668.6
28930.9
24361.1
10470.9
2378.0
993.5
939.0
565.2
0.0

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