

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: P848854

Luminaire Tested: **GLAN-SB5C-840-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848854
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-SB5C-840-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 4000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33282 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

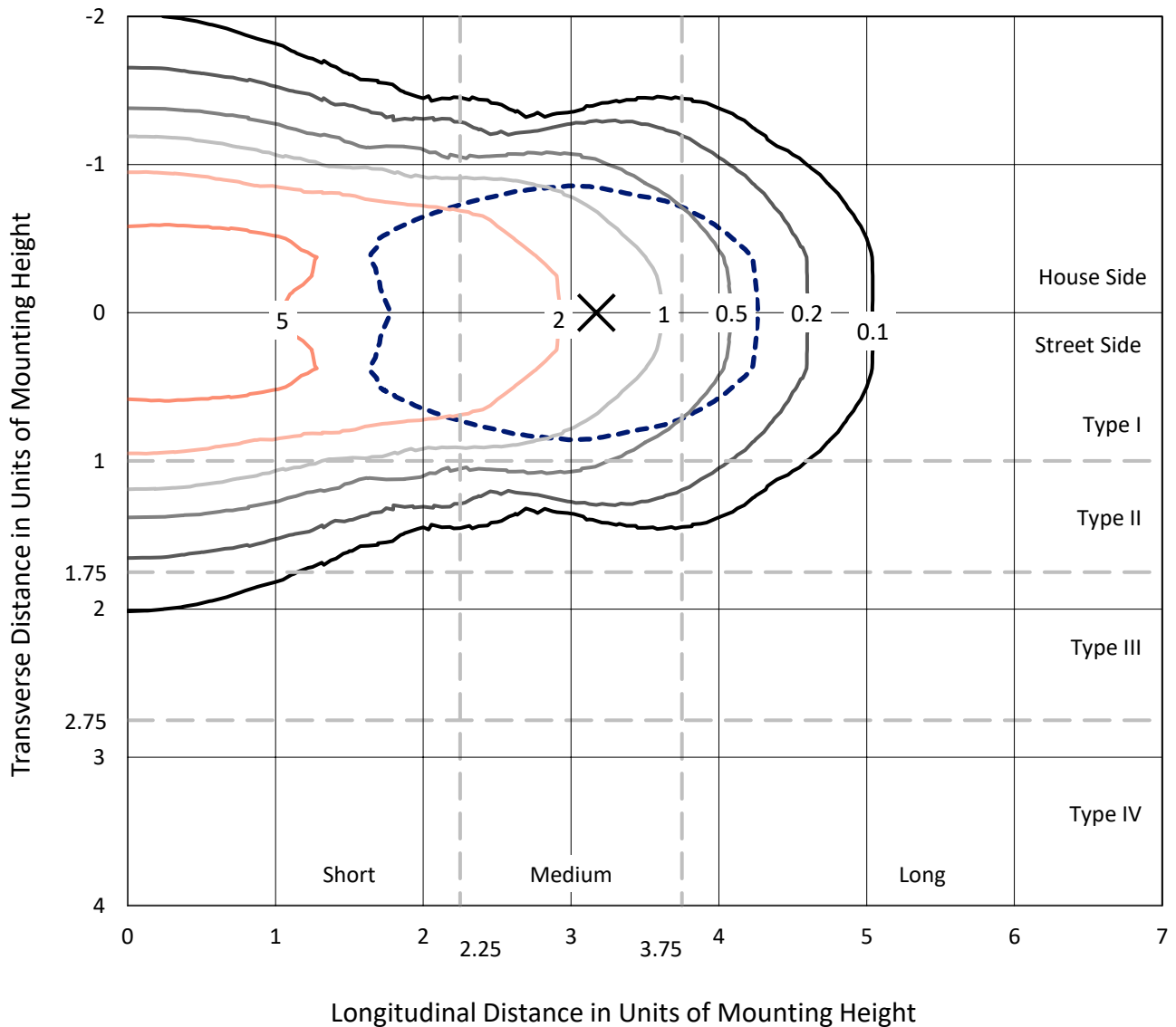
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

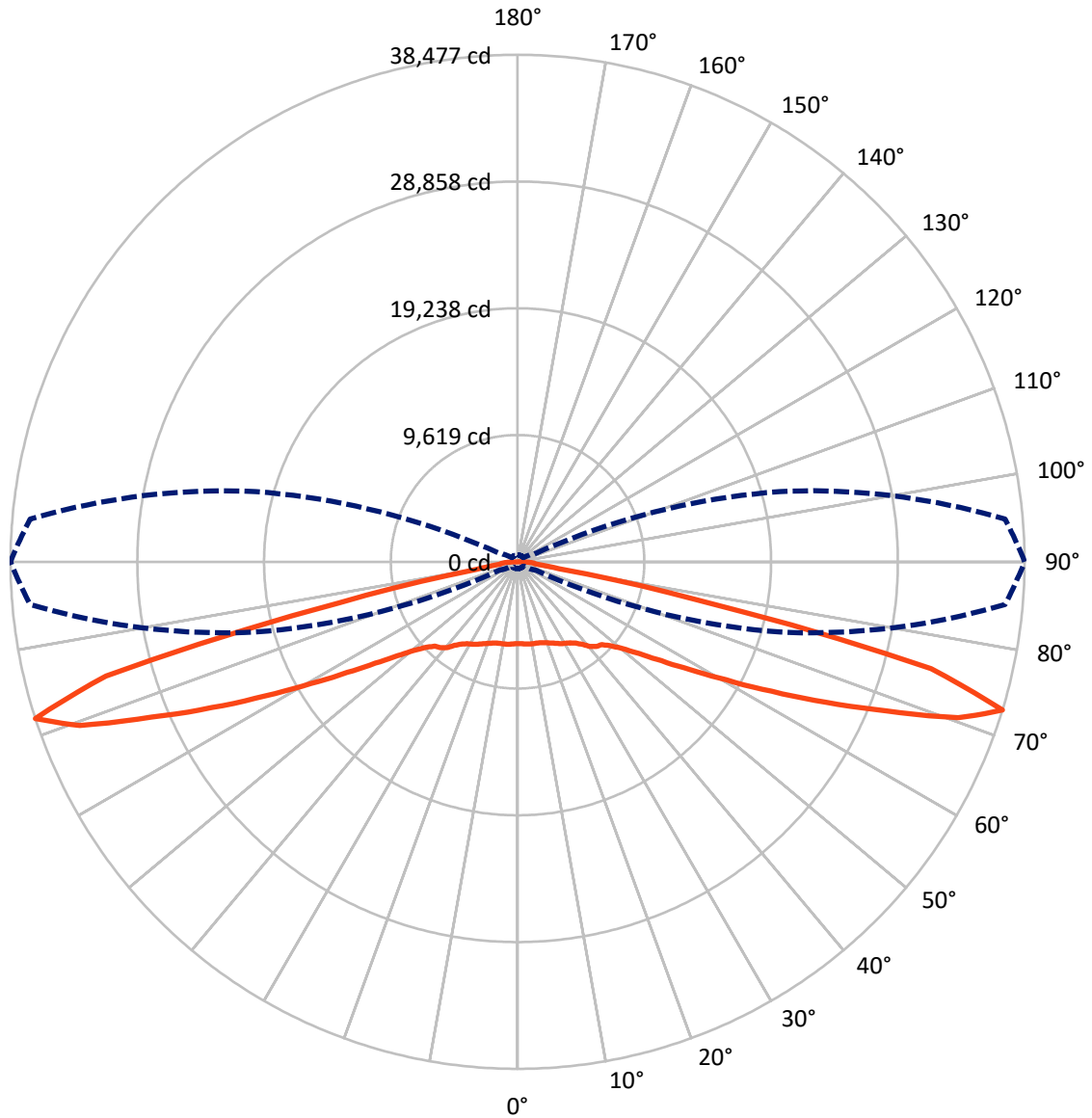
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 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	16641.0	0.0	16641.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16641.0	0.0	16641.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	33282.0	0.0	33282.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	603.0	1.8
10°-20°	1843.8	5.5
20°-30°	3074.3	9.2
30°-40°	4228.2	12.7
40°-50°	5163.8	15.5
50°-60°	5972.4	17.9
60°-70°	7121.1	21.4
70°-80°	4970.1	14.9
80°-90°	305.3	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°	33282.0	100.0
0°-180°	33282.0	100.0

Coefficient of Utilization



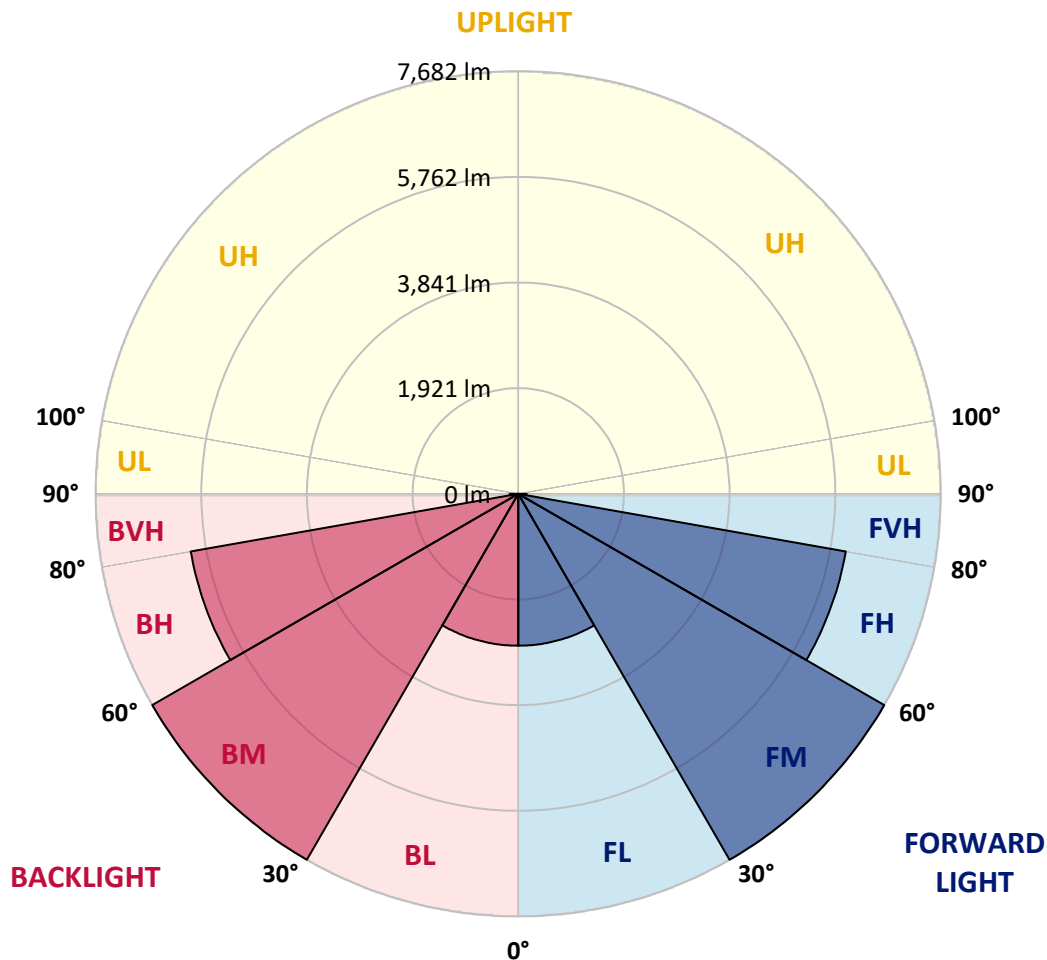
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2760.6	8.3			
FM (30°-60°)	7682.2	23.1			
FH (60°-80°)	6045.6	18.2			G3/7500
FVH (80°-90°)	152.6	0.5			G2/225
BL (0°-30°)	2760.6	8.3	B4/5000		
BM (30°-60°)	7682.2	23.1	B4/8500		
BH (60°-80°)	6045.6	18.2	B5		G5
BVH (80°-90°)	152.6	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°	6219.1	6219.1	6219.1	6219.1	6219.1	6219.1	6219.1	6219.1	6219.1	6219.1
2.5°	6224.4	6231.5	6231.5	6226.2	6238.5	6227.9	6227.9	6222.6	6227.9	6222.6
5°	6256.2	6265.1	6268.6	6266.9	6282.8	6273.9	6273.9	6266.9	6268.6	6263.3
7.5°	6316.4	6328.8	6335.8	6344.7	6367.7	6357.1	6350.0	6328.8	6319.9	6305.8
10°	6335.8	6350.0	6373.0	6419.0	6472.0	6473.8	6452.6	6399.5	6358.8	6327.0
12.5°	6275.7	6295.2	6342.9	6436.7	6555.2	6602.9	6569.3	6480.9	6401.3	6344.7
15°	6199.6	6220.9	6293.4	6434.9	6610.0	6721.4	6717.9	6601.2	6473.8	6385.4
17.5°	6081.1	6102.4	6206.7	6404.8	6652.4	6836.4	6885.9	6765.7	6587.0	6468.5
20°	5867.1	5886.6	6031.6	6309.3	6666.6	6958.5	7087.6	6981.4	6758.6	6597.6
22.5°	5589.4	5619.5	5789.3	6144.8	6633.0	7085.8	7317.5	7245.0	6958.5	6735.6
25°	5292.2	5324.1	5522.2	5943.2	6546.3	7177.8	7589.9	7543.9	7184.9	6907.2
27.5°	5035.8	5069.4	5285.2	5743.3	6411.9	7213.2	7858.8	7881.8	7459.0	7096.4
30°	4834.1	4866.0	5095.9	5582.3	6238.5	7177.8	8094.0	8253.2	7738.5	7260.9
32.5°	4613.0	4653.7	4896.0	5386.0	6033.4	7092.9	8299.2	8654.7	8062.2	7437.8
35°	4333.6	4370.7	4625.4	5117.1	5764.5	6956.7	8470.8	9100.5	8525.6	7706.7
37.5°	3993.9	4029.3	4282.3	4781.1	5497.4	6765.7	8601.7	9602.8	9077.5	8094.0
40°	3652.6	3686.2	3923.2	4406.1	5177.3	6521.6	8647.7	10094.5	9710.7	8626.4
42.5°	3339.5	3369.6	3587.1	4036.4	4818.2	6210.2	8587.5	10522.6	10278.5	8997.9
45°	3051.2	3077.7	3270.5	3689.7	4445.0	5831.7	8407.1	10982.5	10954.2	9263.2
47.5°	2722.2	2748.7	2948.6	3353.6	4071.8	5387.8	8101.1	11435.3	11893.4	9864.6
50°	2320.7	2343.7	2548.8	2966.3	3684.4	4915.5	7676.6	11790.8	13078.5	10775.5
52.5°	1844.9	1869.6	2069.5	2486.9	3224.5	4407.8	7117.6	12022.5	14447.5	12105.7
55°	1372.6	1390.3	1563.6	1938.6	2655.0	3829.4	6417.2	12088.0	16000.5	13924.0
57.5°	995.8	1006.4	1117.9	1397.4	2012.9	3106.0	5566.4	11918.2	17848.9	16255.3
60°	806.6	810.1	843.7	967.5	1399.1	2288.8	4538.7	11334.5	19854.8	19260.4
62.5°	732.3	732.3	741.1	774.7	946.3	1510.6	3295.3	10124.6	22005.6	23058.0
65°	681.0	681.0	684.5	700.4	746.4	962.2	2080.1	8154.2	23818.6	27506.6
67.5°	635.0	636.8	635.0	640.3	666.8	711.1	1206.3	5631.9	24795.0	32116.1
70°	587.2	590.8	581.9	581.9	603.2	604.9	755.3	3088.3	23984.9	35979.1
72.5°	530.6	535.9	521.8	518.3	534.2	527.1	567.8	1482.3	20592.3	37132.4
75°	481.1	488.2	456.3	447.5	447.5	442.2	461.7	760.6	13365.0	30290.7
77.5°	436.9	451.0	399.7	371.4	364.4	348.5	376.8	465.2	5845.9	14221.1
80°	360.8	380.3	329.0	295.4	283.0	265.3	297.2	325.5	1738.7	3302.3
82.5°	268.9	277.7	233.5	210.5	199.9	187.5	222.9	226.4	566.0	1169.2
85°	171.6	175.1	143.3	123.8	118.5	113.2	141.5	123.8	215.8	859.6
87.5°	60.1	69.0	54.8	49.5	53.1	44.2	65.4	37.1	60.1	606.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

6219.1
6222.6
6263.3
6305.8
6321.7
6335.8
6371.2
6449.0
6567.5
6694.9
6850.6
7036.3
7174.2
7328.1
7584.6
7931.3
8453.1
8775.0
8962.5
9517.9
10340.4
11569.7
13253.6
15411.5
18197.4
21634.2
25705.9
30172.2
35467.9
38476.7
32399.1
13925.7
3162.6
1321.3
1248.8
751.7
0.0

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