

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: P848884

Luminaire Tested: **GLAN-SB5C-930-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848884
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-930-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25248 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

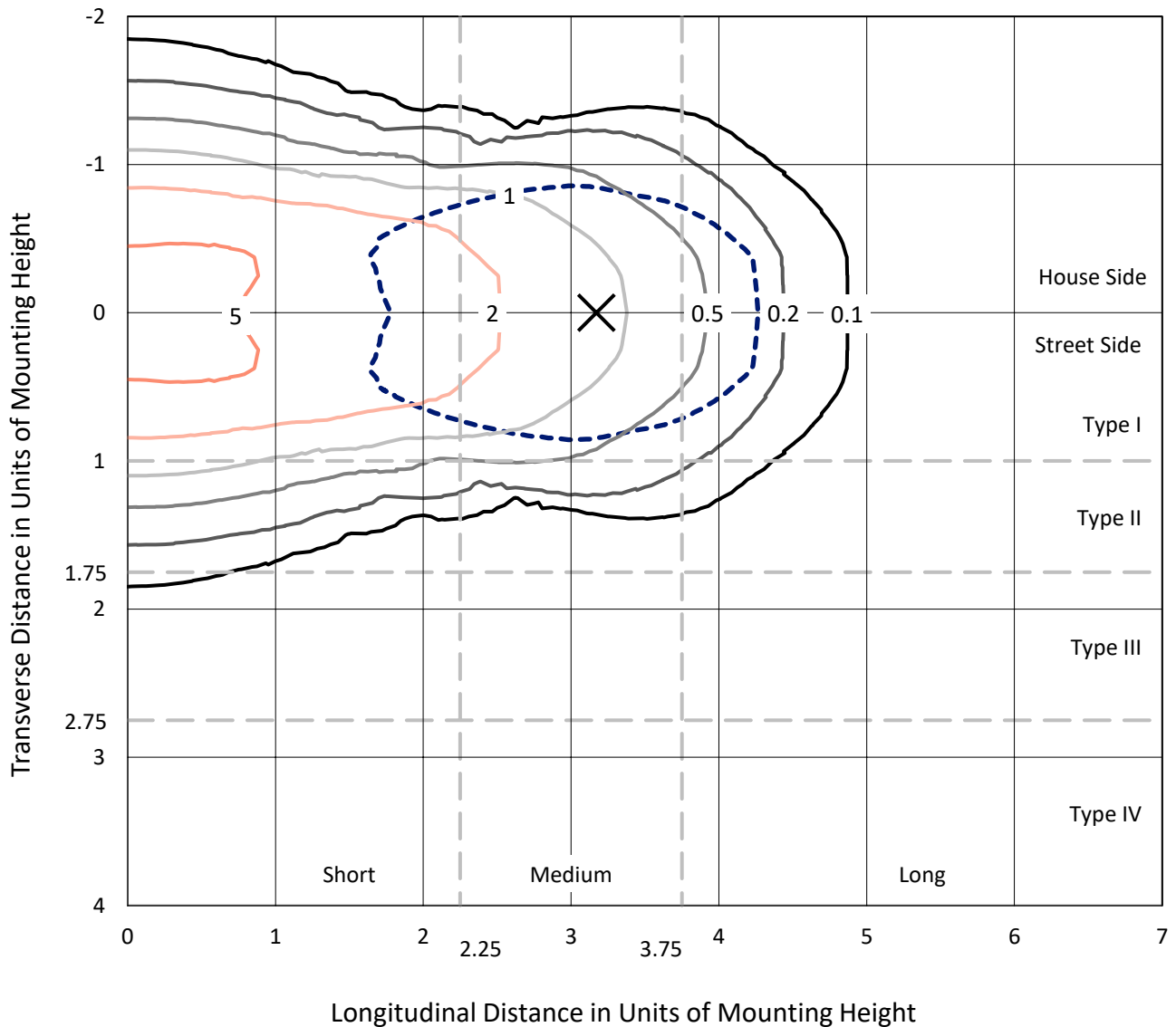
Input Watts (W): 249.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

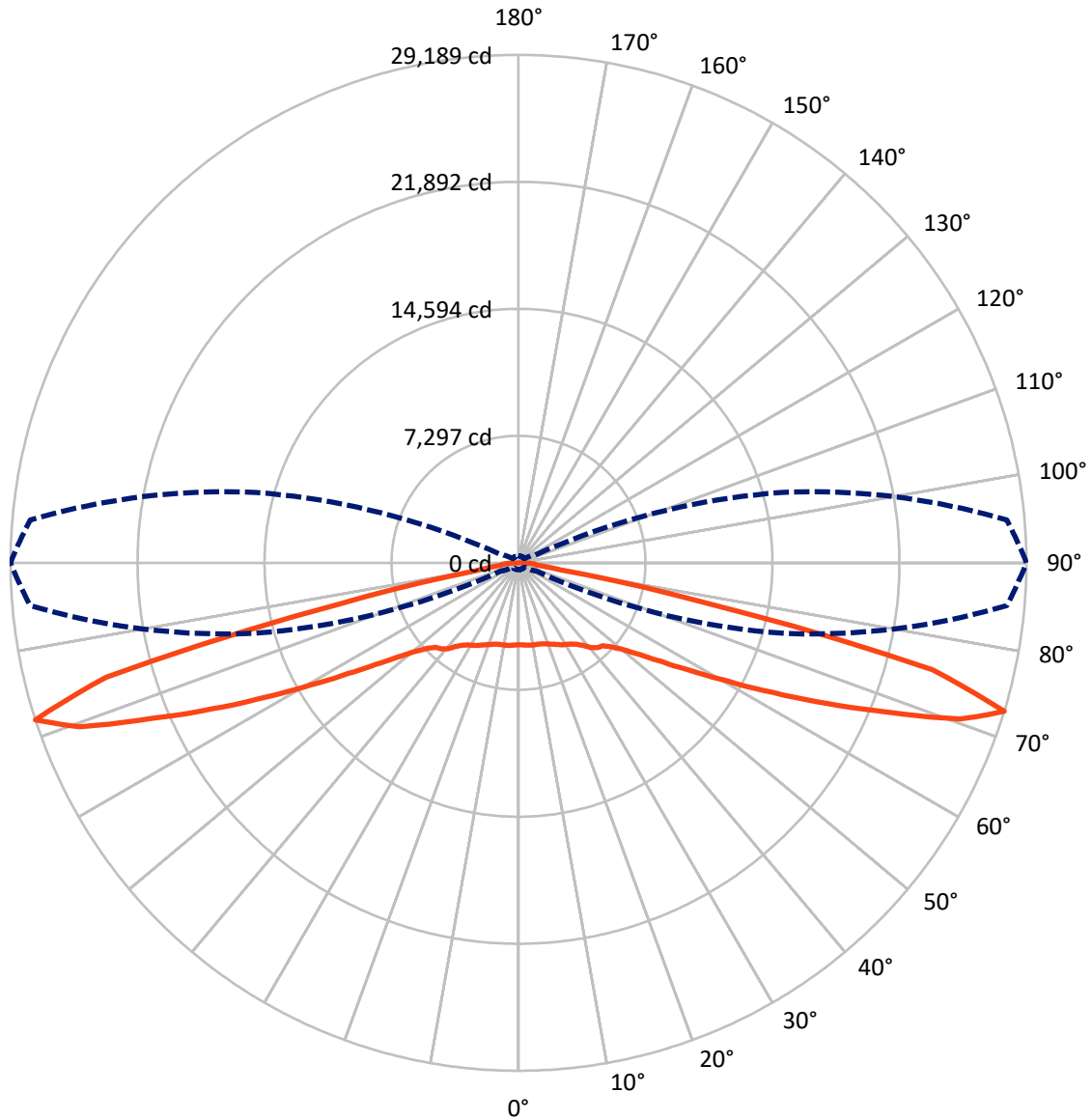
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	12624.0	0.0	12624.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12624.0	0.0	12624.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	25248.0	0.0	25248.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	457.5	1.8
10°-20°	1398.7	5.5
20°-30°	2332.2	9.2
30°-40°	3207.5	12.7
40°-50°	3917.3	15.5
50°-60°	4530.7	17.9
60°-70°	5402.2	21.4
70°-80°	3770.4	14.9
80°-90°	231.6	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°	25248.0	100.0
0°-180°	25248.0	100.0

Coefficient of Utilization

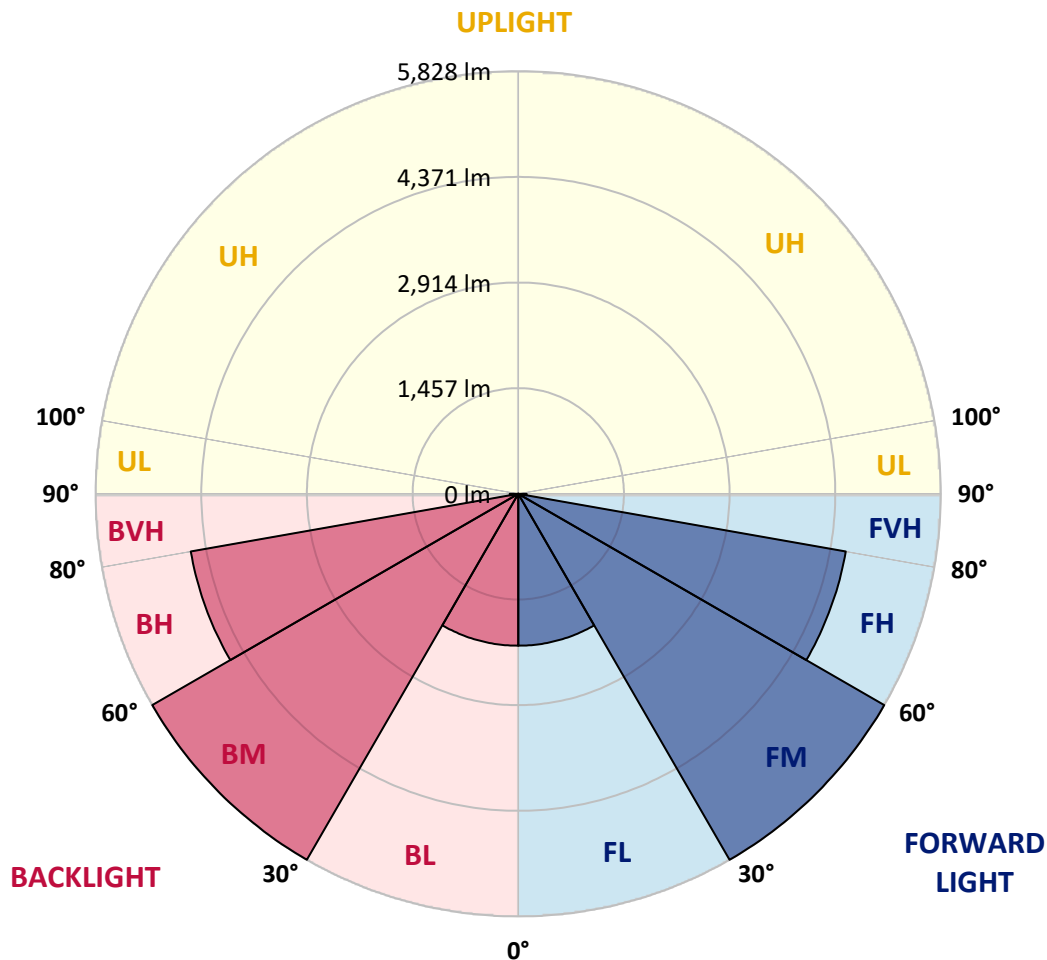


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2094.2	8.3			
FM (30°-60°)	5827.8	23.1			
FH (60°-80°)	4586.3	18.2			G2/5000
FVH (80°-90°)	115.8	0.5			G2/225
BL (0°-30°)	2094.2	8.3	B3/2500		
BM (30°-60°)	5827.8	23.1	B4/8500		
BH (60°-80°)	4586.3	18.2	B4/5000		G4/5000
BVH (80°-90°)	115.8	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°	4717.9	4717.9	4717.9	4717.9	4717.9	4717.9	4717.9	4717.9	4717.9	4717.9
2.5°	4721.9	4727.2	4727.2	4723.2	4732.6	4724.6	4724.6	4720.5	4724.6	4720.5
5°	4746.0	4752.7	4755.4	4754.1	4766.2	4759.5	4759.5	4754.1	4755.4	4751.4
7.5°	4791.7	4801.0	4806.4	4813.1	4830.6	4822.5	4817.2	4801.0	4794.3	4783.6
10°	4806.4	4817.2	4834.6	4869.5	4909.7	4911.1	4895.0	4854.7	4823.9	4799.7
12.5°	4760.8	4775.6	4811.8	4882.9	4972.8	5009.0	4983.5	4916.4	4856.1	4813.1
15°	4703.1	4719.2	4774.2	4881.6	5014.4	5098.9	5096.2	5007.7	4911.1	4844.0
17.5°	4613.2	4629.3	4708.5	4858.7	5046.6	5186.2	5223.7	5132.5	4997.0	4907.1
20°	4450.8	4465.6	4575.6	4786.3	5057.3	5278.7	5376.7	5296.2	5127.1	5005.0
22.5°	4240.2	4263.0	4391.8	4661.5	5031.8	5375.3	5551.1	5496.1	5278.7	5109.7
25°	4014.7	4038.9	4189.2	4508.5	4966.1	5445.1	5757.8	5722.9	5450.5	5239.8
27.5°	3820.2	3845.7	4009.4	4356.9	4864.1	5472.0	5961.7	5979.2	5658.5	5383.4
30°	3667.2	3691.4	3865.8	4234.8	4732.6	5445.1	6140.2	6261.0	5870.5	5508.2
32.5°	3499.5	3530.3	3714.2	4085.9	4577.0	5380.7	6295.8	6565.5	6116.0	5642.4
35°	3287.5	3315.6	3508.9	3881.9	4373.0	5277.4	6426.0	6903.7	6467.6	5846.3
37.5°	3029.8	3056.7	3248.6	3627.0	4170.4	5132.5	6525.3	7284.8	6886.2	6140.2
40°	2770.9	2796.4	2976.2	3342.5	3927.5	4947.3	6560.2	7657.8	7366.6	6544.1
42.5°	2533.4	2556.2	2721.2	3062.0	3655.1	4711.1	6514.6	7982.5	7797.3	6825.9
45°	2314.6	2334.8	2481.0	2799.0	3372.0	4424.0	6377.7	8331.4	8309.9	7027.1
47.5°	2065.1	2085.2	2236.8	2544.1	3088.9	4087.2	6145.6	8674.9	9022.4	7483.4
50°	1760.5	1777.9	1933.6	2250.2	2795.0	3728.9	5823.5	8944.6	9921.5	8174.4
52.5°	1399.5	1418.3	1569.9	1886.6	2446.1	3343.8	5399.5	9120.4	10960.0	9183.4
55°	1041.3	1054.7	1186.2	1470.6	2014.1	2905.1	4868.1	9170.0	12138.1	10562.8
57.5°	755.4	763.5	848.0	1060.0	1527.0	2356.2	4222.7	9041.2	13540.4	12331.4
60°	611.9	614.6	640.1	734.0	1061.4	1736.3	3443.1	8598.4	15062.0	14611.1
62.5°	555.5	555.5	562.2	587.7	717.9	1145.9	2499.8	7680.6	16693.6	17492.0
65°	516.6	516.6	519.3	531.4	566.2	730.0	1578.0	6185.8	18069.0	20866.7
67.5°	481.7	483.1	481.7	485.7	505.9	539.4	915.1	4272.4	18809.7	24363.5
70°	445.5	448.2	441.5	441.5	457.6	458.9	573.0	2342.8	18195.1	27294.1
72.5°	402.5	406.6	395.8	393.2	405.2	399.9	430.7	1124.4	15621.5	28168.9
75°	365.0	370.3	346.2	339.5	339.5	335.5	350.2	577.0	10138.8	22978.7
77.5°	331.4	342.2	303.3	281.8	276.4	264.3	285.8	352.9	4434.7	10788.3
80°	273.7	288.5	249.6	224.1	214.7	201.3	225.4	246.9	1319.0	2505.2
82.5°	204.0	210.7	177.1	159.7	151.6	142.2	169.1	171.8	429.4	886.9
85°	130.2	132.8	108.7	93.9	89.9	85.9	107.3	93.9	163.7	652.1
87.5°	45.6	52.3	41.6	37.6	40.3	33.5	49.6	28.2	45.6	460.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4717.9
4720.5
4751.4
4783.6
4795.7
4806.4
4833.3
4892.3
4982.2
5078.8
5196.9
5337.8
5442.4
5559.2
5753.7
6016.7
6412.6
6656.8
6799.0
7220.4
7844.3
8776.9
10054.3
11691.3
13804.7
16411.9
19500.7
22888.8
26906.3
29188.7
24578.2
10564.2
2399.2
1002.3
947.3
570.3
0.0

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