

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: P848184

Luminaire Tested: **GLAN-SB4C-850-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848184
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-SB4C-850-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25495 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

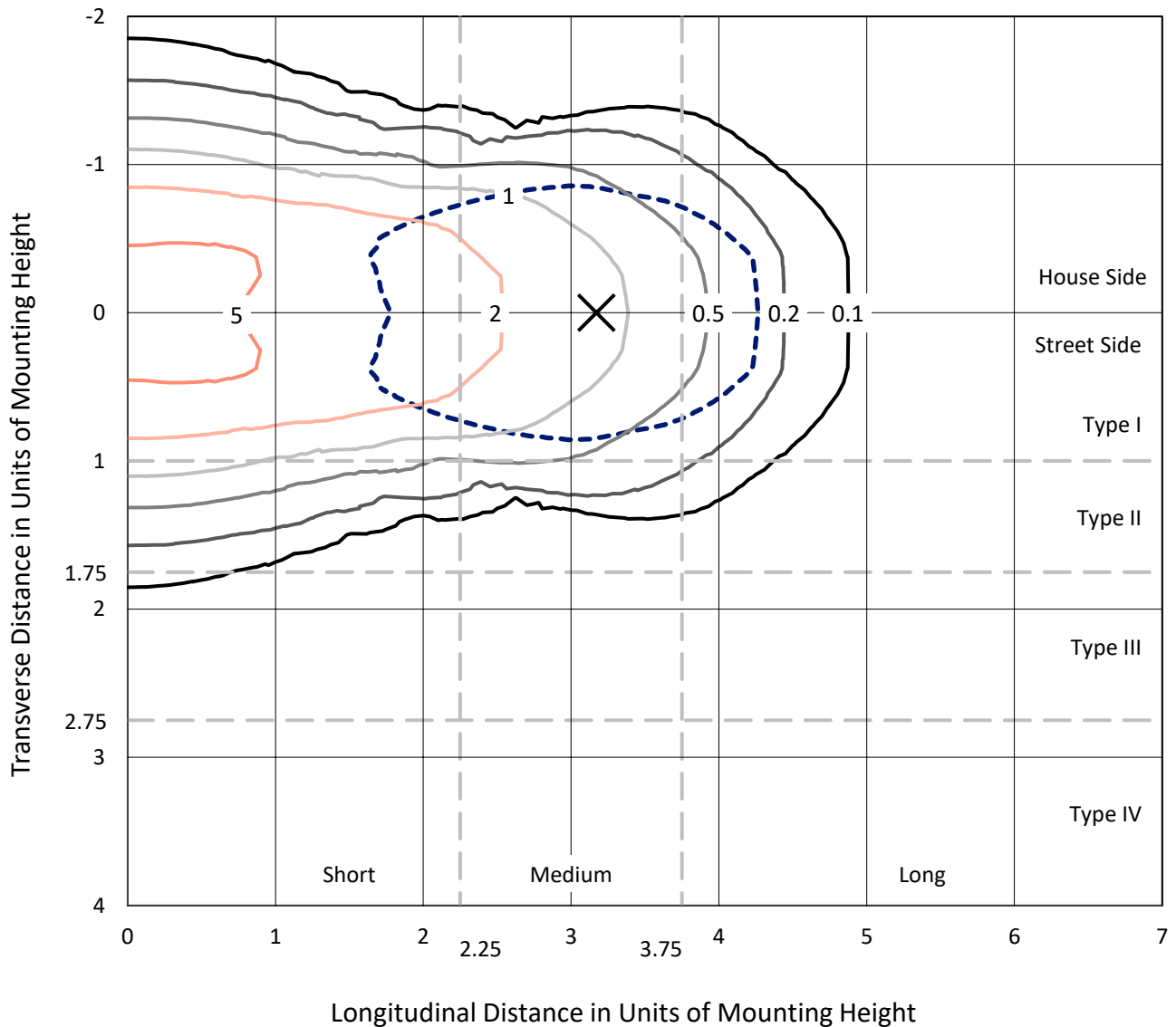
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

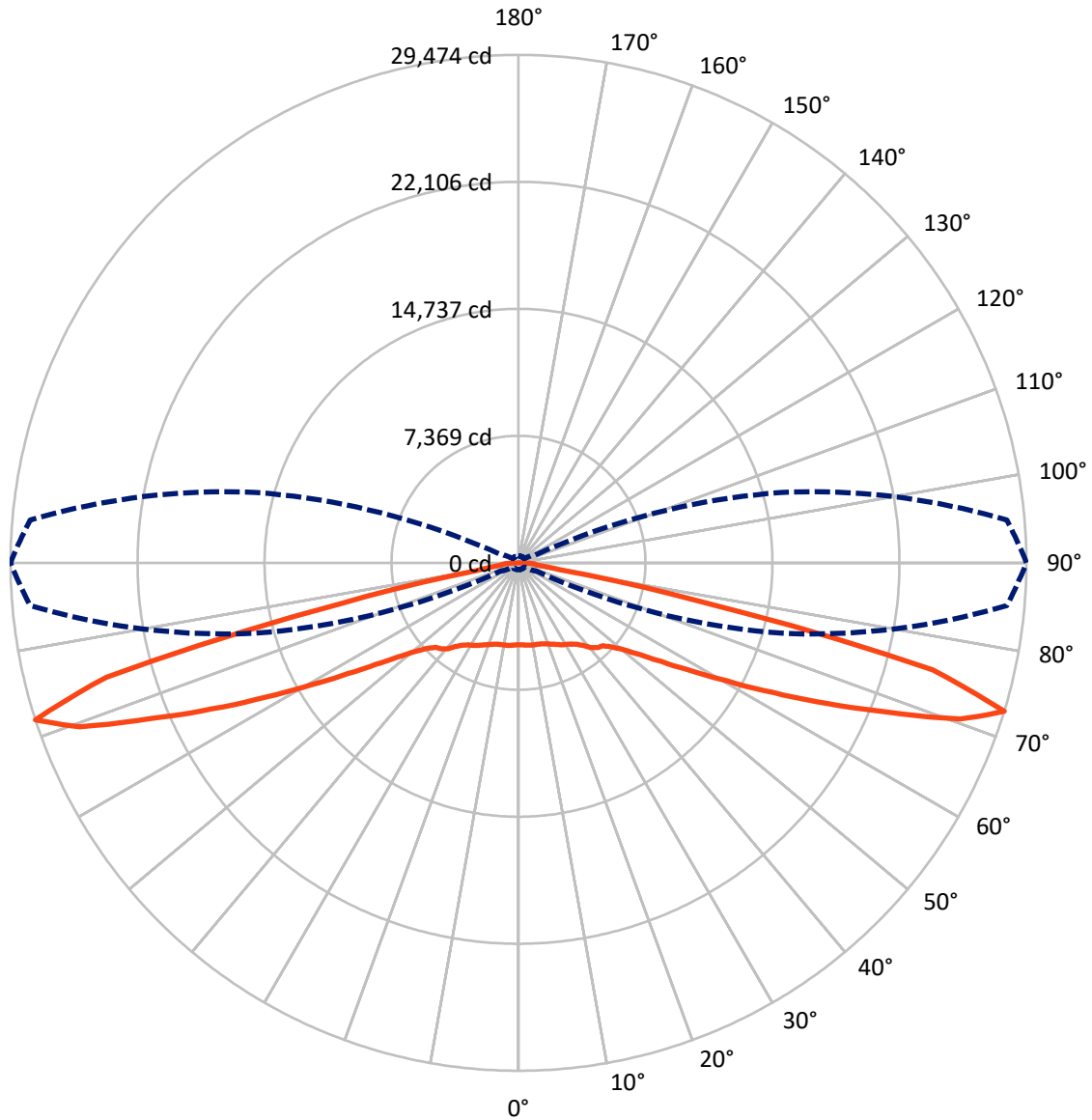
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 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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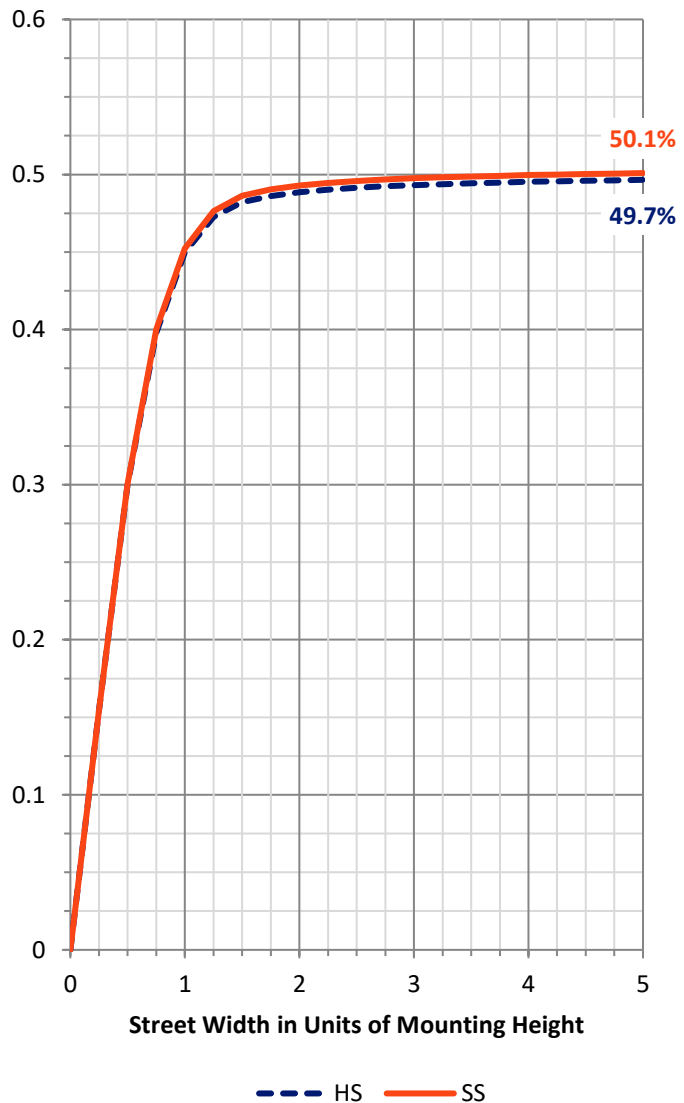
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12747.5	0.0	12747.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12747.5	0.0	12747.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25495.0	0.0	25495.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	461.9	1.8
10°-20°	1412.4	5.5
20°-30°	2355.0	9.2
30°-40°	3238.9	12.7
40°-50°	3955.6	15.5
50°-60°	4575.1	17.9
60°-70°	5455.0	21.4
70°-80°	3807.2	14.9
80°-90°	233.8	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°	25495.0	100.0
0°-180°	25495.0	100.0

Coefficient of Utilization



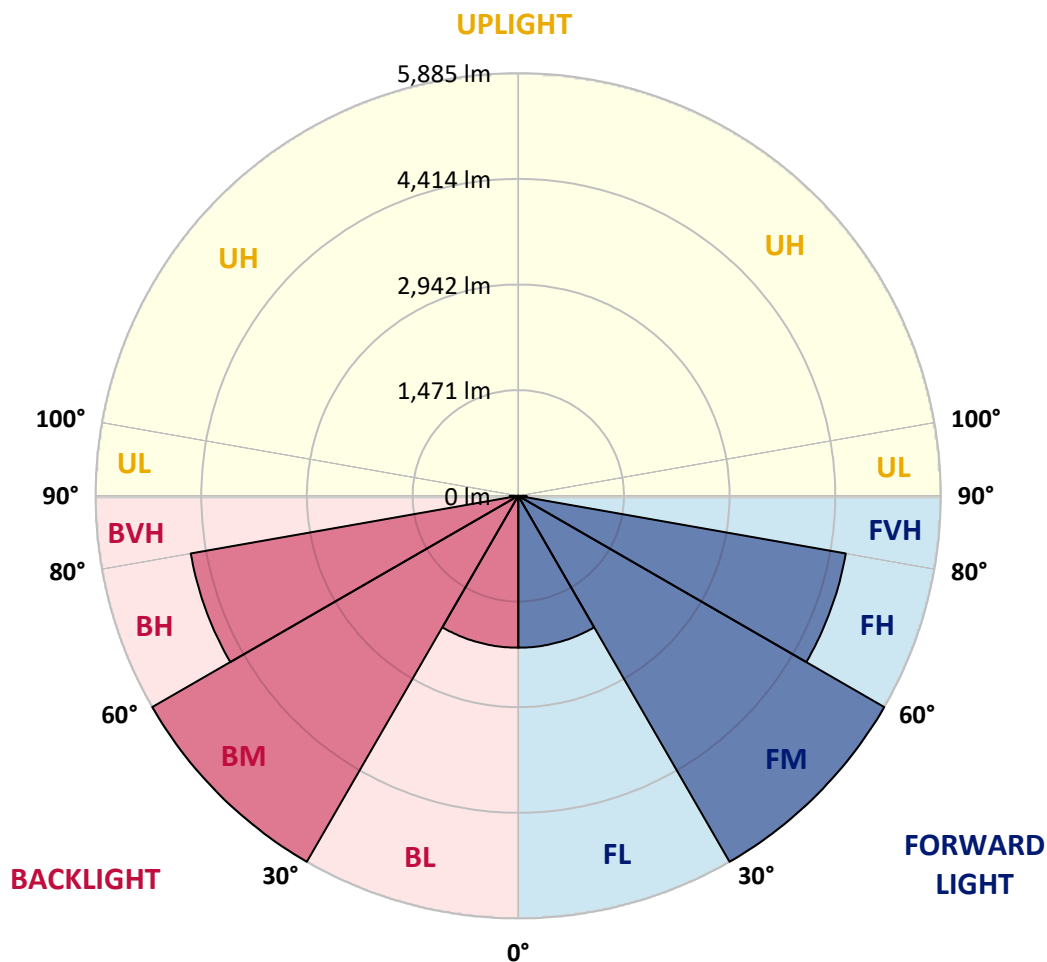
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2114.7	8.3			
FM (30°-60°)	5884.8	23.1			
FH (60°-80°)	4631.1	18.2			G2/5000
FVH (80°-90°)	116.9	0.5			G2/225
BL (0°-30°)	2114.7	8.3	B3/2500		
BM (30°-60°)	5884.8	23.1	B4/8500		
BH (60°-80°)	4631.1	18.2	B4/5000		G4/5000
BVH (80°-90°)	116.9	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°	4764.0	4764.0	4764.0	4764.0	4764.0	4764.0	4764.0	4764.0	4764.0	4764.0
2.5°	4768.1	4773.5	4773.5	4769.4	4778.9	4770.8	4770.8	4766.7	4770.8	4766.7
5°	4792.5	4799.2	4801.9	4800.6	4812.8	4806.0	4806.0	4800.6	4801.9	4797.9
7.5°	4838.5	4848.0	4853.4	4860.2	4877.8	4869.7	4864.3	4848.0	4841.2	4830.4
10°	4853.4	4864.3	4881.9	4917.1	4957.8	4959.1	4942.9	4902.2	4871.1	4846.7
12.5°	4807.4	4822.3	4858.9	4930.7	5021.5	5058.0	5032.3	4964.5	4903.6	4860.2
15°	4749.1	4765.4	4820.9	4929.3	5063.5	5148.8	5146.1	5056.7	4959.1	4891.4
17.5°	4658.3	4674.6	4754.5	4906.3	5096.0	5236.9	5274.8	5182.7	5045.8	4955.1
20°	4494.4	4509.3	4620.4	4833.1	5106.8	5330.4	5429.3	5348.0	5177.3	5054.0
22.5°	4281.6	4304.7	4434.8	4707.1	5081.1	5427.9	5605.4	5549.9	5330.4	5159.7
25°	4054.0	4078.4	4230.2	4552.6	5014.7	5498.4	5814.1	5778.9	5503.8	5291.1
27.5°	3857.5	3883.3	4048.6	4399.5	4911.7	5525.5	6020.1	6037.7	5713.8	5436.1
30°	3703.1	3727.5	3903.6	4276.2	4778.9	5498.4	6200.3	6322.2	5927.9	5562.1
32.5°	3533.7	3564.9	3750.5	4125.8	4621.7	5433.4	6357.4	6629.8	6175.9	5697.6
35°	3319.6	3348.1	3543.2	3919.9	4415.8	5329.0	6488.9	6971.2	6530.9	5903.5
37.5°	3059.5	3086.6	3280.3	3662.4	4211.2	5182.7	6589.1	7356.0	6953.6	6200.3
40°	2798.0	2823.7	3005.3	3375.2	3965.9	4995.7	6624.4	7732.7	7438.7	6608.1
42.5°	2558.1	2581.2	2747.8	3092.0	3690.9	4757.2	6578.3	8060.6	7873.6	6892.6
45°	2337.3	2357.6	2505.3	2826.4	3405.0	4467.3	6440.1	8412.9	8391.2	7095.9
47.5°	2085.3	2105.6	2258.7	2569.0	3119.1	4127.2	6205.7	8759.8	9110.7	7556.6
50°	1777.7	1795.3	1952.5	2272.3	2822.4	3765.4	5880.5	9032.1	10018.5	8254.4
52.5°	1413.2	1432.2	1585.3	1905.1	2470.1	3376.5	5452.3	9209.6	11067.2	9273.3
55°	1051.4	1065.0	1197.8	1485.0	2033.8	2933.5	4915.8	9259.7	12256.9	10666.2
57.5°	762.8	771.0	856.3	1070.4	1541.9	2379.3	4264.0	9129.7	13672.8	12452.0
60°	617.9	620.6	646.3	741.2	1071.8	1753.3	3476.8	8682.5	15209.3	14754.1
62.5°	560.9	560.9	567.7	593.5	724.9	1157.1	2524.3	7755.7	16857.0	17663.1
65°	521.7	521.7	524.4	536.6	571.8	737.1	1593.4	6246.3	18245.8	21070.9
67.5°	486.4	487.8	486.4	490.5	510.8	544.7	924.1	4314.2	18993.7	24601.9
70°	449.8	452.6	445.8	445.8	462.0	463.4	578.6	2365.7	18373.1	27561.1
72.5°	406.5	410.6	399.7	397.0	409.2	403.8	434.9	1135.4	15774.3	28444.5
75°	368.5	374.0	349.6	342.8	342.8	338.7	353.6	582.6	10238.0	23203.5
77.5°	334.7	345.5	306.2	284.5	279.1	266.9	288.6	356.4	4478.1	10893.8
80°	276.4	291.3	252.0	226.3	216.8	203.2	227.6	249.3	1331.9	2529.7
82.5°	206.0	212.7	178.9	161.2	153.1	143.6	170.7	173.4	433.6	895.6
85°	131.4	134.1	109.8	94.8	90.8	86.7	108.4	94.8	165.3	658.5
87.5°	46.1	52.8	42.0	37.9	40.6	33.9	50.1	28.5	46.1	464.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4764.0
4766.7
4797.9
4830.4
4842.6
4853.4
4880.5
4940.2
5030.9
5128.5
5247.7
5390.0
5495.7
5613.6
5810.0
6075.6
6475.3
6721.9
6865.5
7291.0
7921.0
8862.7
10152.7
11805.7
13939.7
16572.4
19691.5
23112.8
27169.5
29474.3
24818.6
10667.5
2422.7
1012.1
956.6
575.9
0.0

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