

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: P848174

Luminaire Tested: **GLAN-SB4C-840-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848174
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-840-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 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: 26406 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

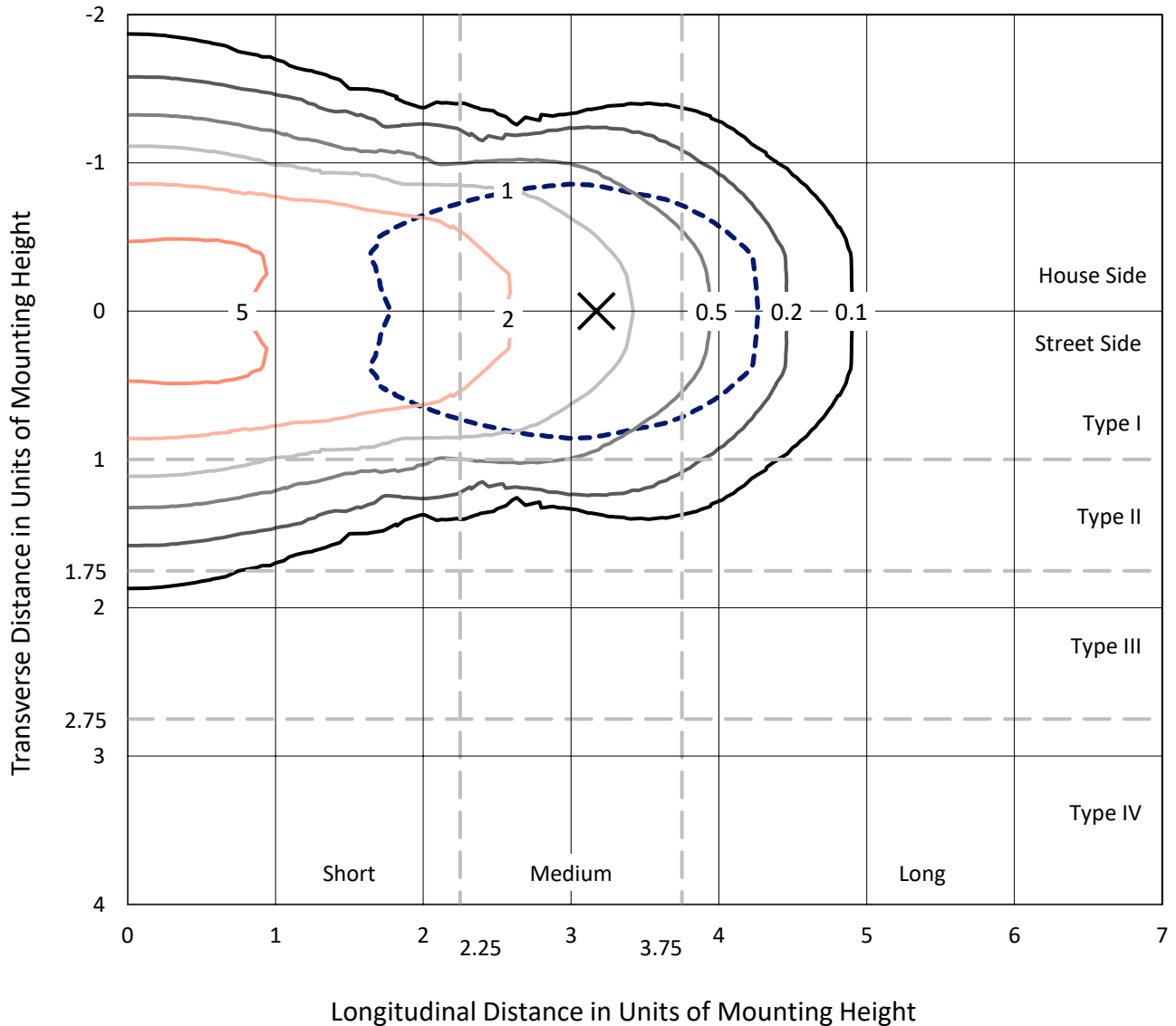
Input Watts (W): 200.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P848174
 CATALOG NUMBER: GLAN-SB4C-840-U-T1

Iso-Footcandle Lines of Horizontal Illumination

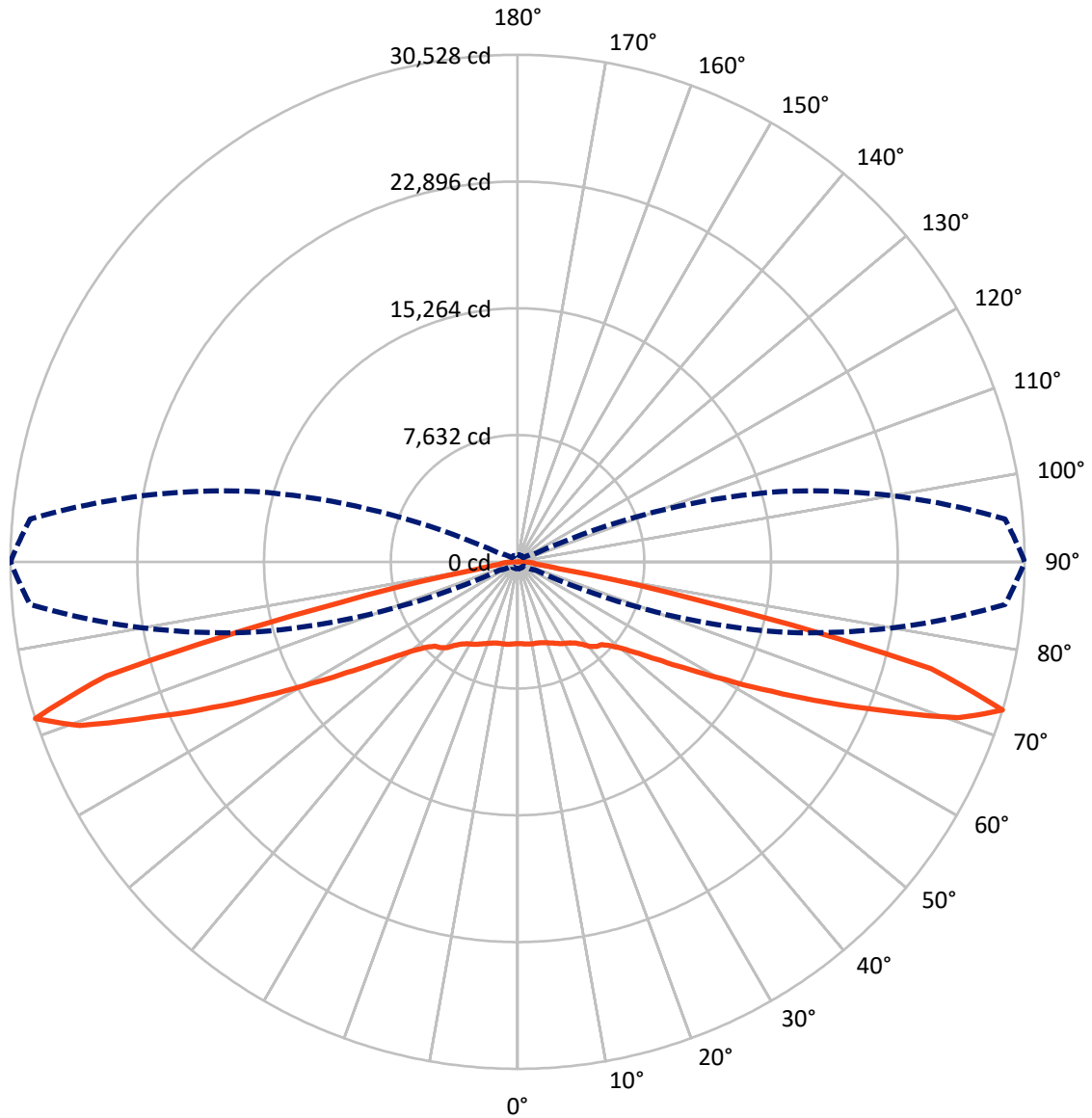
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
 Type I - Short - N/A

REPORT NUMBER: P848174
CATALOG NUMBER: GLAN-SB4C-840-U-T1

Luminous Intensity Polar Plot



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

REPORT NUMBER: P848174
 CATALOG NUMBER: GLAN-SB4C-840-U-T1

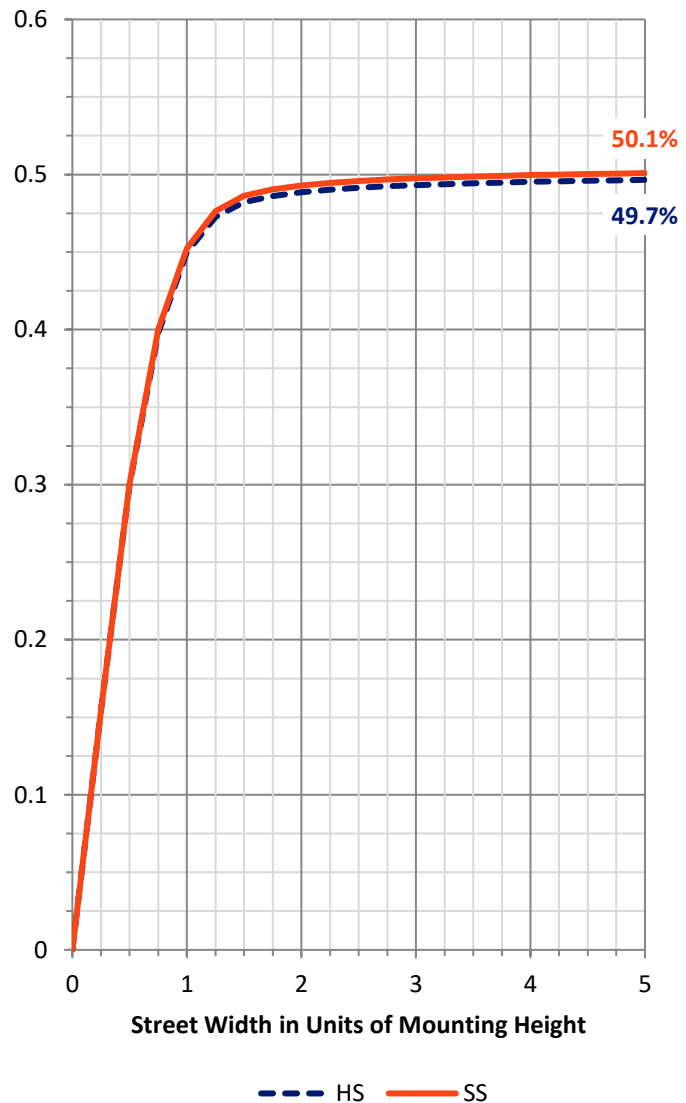
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13203.0	0.0	13203.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13203.0	0.0	13203.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	26406.0	0.0	26406.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	478.4	1.8
10°-20°	1462.9	5.5
20°-30°	2439.2	9.2
30°-40°	3354.6	12.7
40°-50°	4096.9	15.5
50°-60°	4738.5	17.9
60°-70°	5649.9	21.4
70°-80°	3943.3	14.9
80°-90°	242.2	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°	26406.0	100.0
0°-180°	26406.0	100.0

Coefficient of Utilization

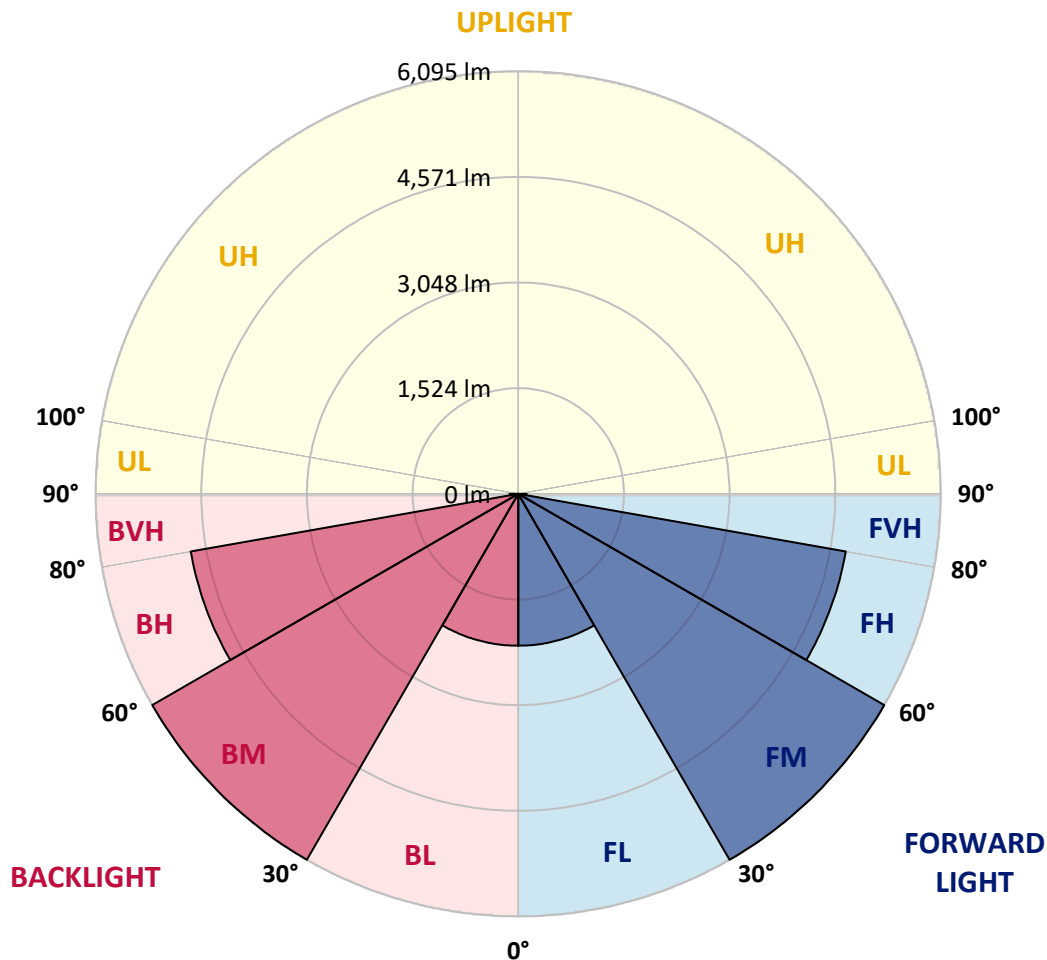


REPORT NUMBER: P848174
 CATALOG NUMBER: GLAN-SB4C-840-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2190.2	8.3			
FM (30°-60°)	6095.1	23.1			
FH (60°-80°)	4796.6	18.2			G2/5000
FVH (80°-90°)	121.1	0.5			G2/225
BL (0°-30°)	2190.2	8.3	B3/2500		
BM (30°-60°)	6095.1	23.1	B4/8500		
BH (60°-80°)	4796.6	18.2	B4/5000		G4/5000
BVH (80°-90°)	121.1	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



REPORT NUMBER: P848174
 CATALOG NUMBER: GLAN-SB4C-840-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	4934.2	4934.2	4934.2	4934.2	4934.2	4934.2	4934.2	4934.2	4934.2	4934.2
2.5°	4938.4	4944.1	4944.1	4939.9	4949.7	4941.3	4941.3	4937.0	4941.3	4937.0
5°	4963.7	4970.7	4973.5	4972.1	4984.8	4977.7	4977.7	4972.1	4973.5	4969.3
7.5°	5011.4	5021.2	5026.9	5033.9	5052.1	5043.7	5038.1	5021.2	5014.2	5003.0
10°	5026.9	5038.1	5056.3	5092.8	5134.9	5136.3	5119.5	5077.4	5045.1	5019.8
12.5°	4979.1	4994.6	5032.5	5106.9	5200.9	5238.8	5212.1	5141.9	5078.8	5033.9
15°	4918.8	4935.6	4993.2	5105.5	5244.4	5332.8	5330.0	5237.4	5136.3	5066.2
17.5°	4824.8	4841.6	4924.4	5081.6	5278.1	5424.0	5463.3	5367.9	5226.1	5132.1
20°	4655.0	4670.4	4785.5	5005.8	5289.3	5520.8	5623.3	5539.1	5362.3	5234.6
22.5°	4434.6	4458.5	4593.2	4875.3	5262.6	5621.9	5805.7	5748.2	5520.8	5344.0
25°	4198.9	4224.1	4381.3	4715.3	5193.9	5694.9	6021.8	5985.4	5700.5	5480.1
27.5°	3995.4	4022.1	4193.3	4556.7	5087.2	5722.9	6235.2	6253.4	5918.0	5630.3
30°	3835.4	3860.7	4043.1	4429.0	4949.7	5694.9	6421.8	6548.1	6139.7	5760.8
32.5°	3660.0	3692.3	3884.5	4273.3	4786.9	5627.5	6584.6	6866.7	6396.5	5901.2
35°	3438.3	3467.7	3669.8	4059.9	4573.6	5519.4	6720.7	7220.3	6764.2	6114.5
37.5°	3168.8	3196.9	3397.6	3793.3	4361.7	5367.9	6824.6	7618.9	7202.1	6421.8
40°	2898.0	2924.6	3112.7	3495.8	4107.7	5174.2	6861.1	8009.0	7704.5	6844.2
42.5°	2649.6	2673.4	2846.0	3202.5	3822.8	4927.2	6813.3	8348.6	8155.0	7138.9
45°	2420.8	2441.9	2594.8	2927.4	3526.7	4626.9	6670.2	8713.5	8691.1	7349.4
47.5°	2159.8	2180.8	2339.4	2660.8	3230.6	4274.7	6427.4	9072.8	9436.2	7826.6
50°	1841.2	1859.5	2022.3	2353.4	2923.2	3900.0	6090.6	9354.8	10376.5	8549.3
52.5°	1463.7	1483.4	1641.9	1973.1	2558.3	3497.2	5647.2	9538.7	11462.7	9604.6
55°	1089.0	1103.0	1240.6	1538.1	2106.5	3038.3	5091.4	9590.6	12694.9	11047.3
57.5°	790.1	798.5	886.9	1108.7	1597.0	2464.3	4416.4	9455.9	14161.4	12896.9
60°	639.9	642.7	669.4	767.6	1110.1	1816.0	3601.0	8992.8	15752.8	15281.3
62.5°	581.0	581.0	588.0	614.7	750.8	1198.5	2614.5	8032.9	17459.3	18294.3
65°	540.3	540.3	543.1	555.7	592.2	763.4	1650.4	6469.5	18897.7	21823.8
67.5°	503.8	505.2	503.8	508.0	529.1	564.2	957.1	4468.3	19672.4	25480.9
70°	465.9	468.7	461.7	461.7	478.5	480.0	599.2	2450.3	19029.7	28545.9
72.5°	421.0	425.2	414.0	411.2	423.8	418.2	450.5	1176.0	16338.0	29460.9
75°	381.7	387.3	362.1	355.1	355.1	350.8	366.3	603.4	10603.8	24032.7
77.5°	346.6	357.9	317.2	294.7	289.1	276.5	298.9	369.1	4638.1	11283.1
80°	286.3	301.7	261.0	234.4	224.5	210.5	235.8	258.2	1379.5	2620.1
82.5°	213.3	220.3	185.2	167.0	158.6	148.8	176.8	179.6	449.1	927.6
85°	136.1	138.9	113.7	98.2	94.0	89.8	112.3	98.2	171.2	682.0
87.5°	47.7	54.7	43.5	39.3	42.1	35.1	51.9	29.5	47.7	481.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4934.2
4937.0
4969.3
5003.0
5015.6
5026.9
5054.9
5116.7
5210.7
5311.7
5435.2
5582.6
5692.1
5814.2
6017.6
6292.7
6706.7
6962.1
7110.9
7551.5
8204.1
9179.4
10515.4
12227.5
14437.8
17164.6
20395.1
23938.6
28140.3
30527.5
25705.5
11048.7
2509.2
1048.3
990.8
596.4
0.0

OF REPORT)