

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: P851231

Luminaire Tested: **GLAN-SB9A-840-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851231
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB9A-840-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 4000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36754 lumens
Efficiency: N/A
Efficacy: 143.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

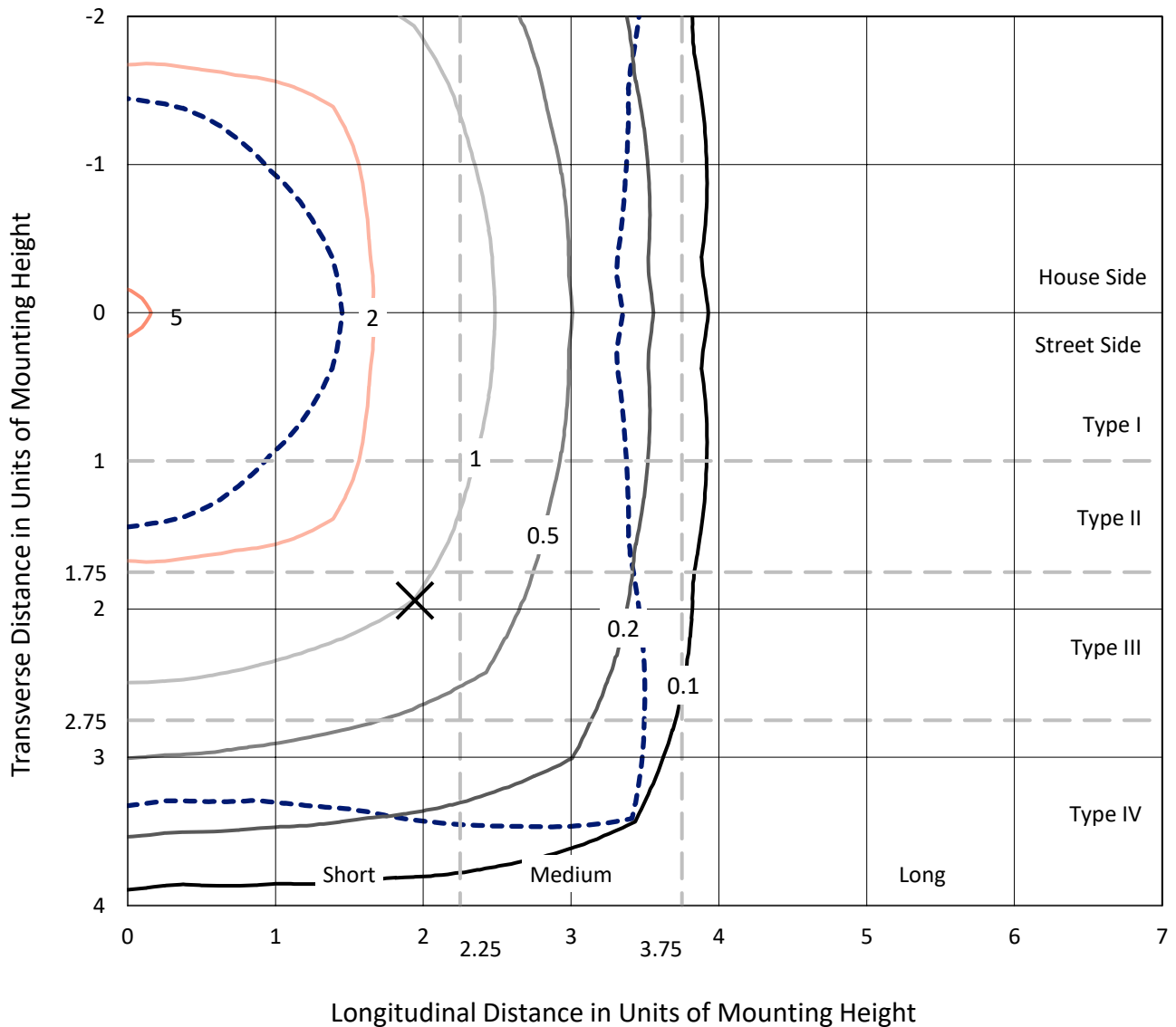
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851231
 CATALOG NUMBER: GLAN-SB9A-840-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

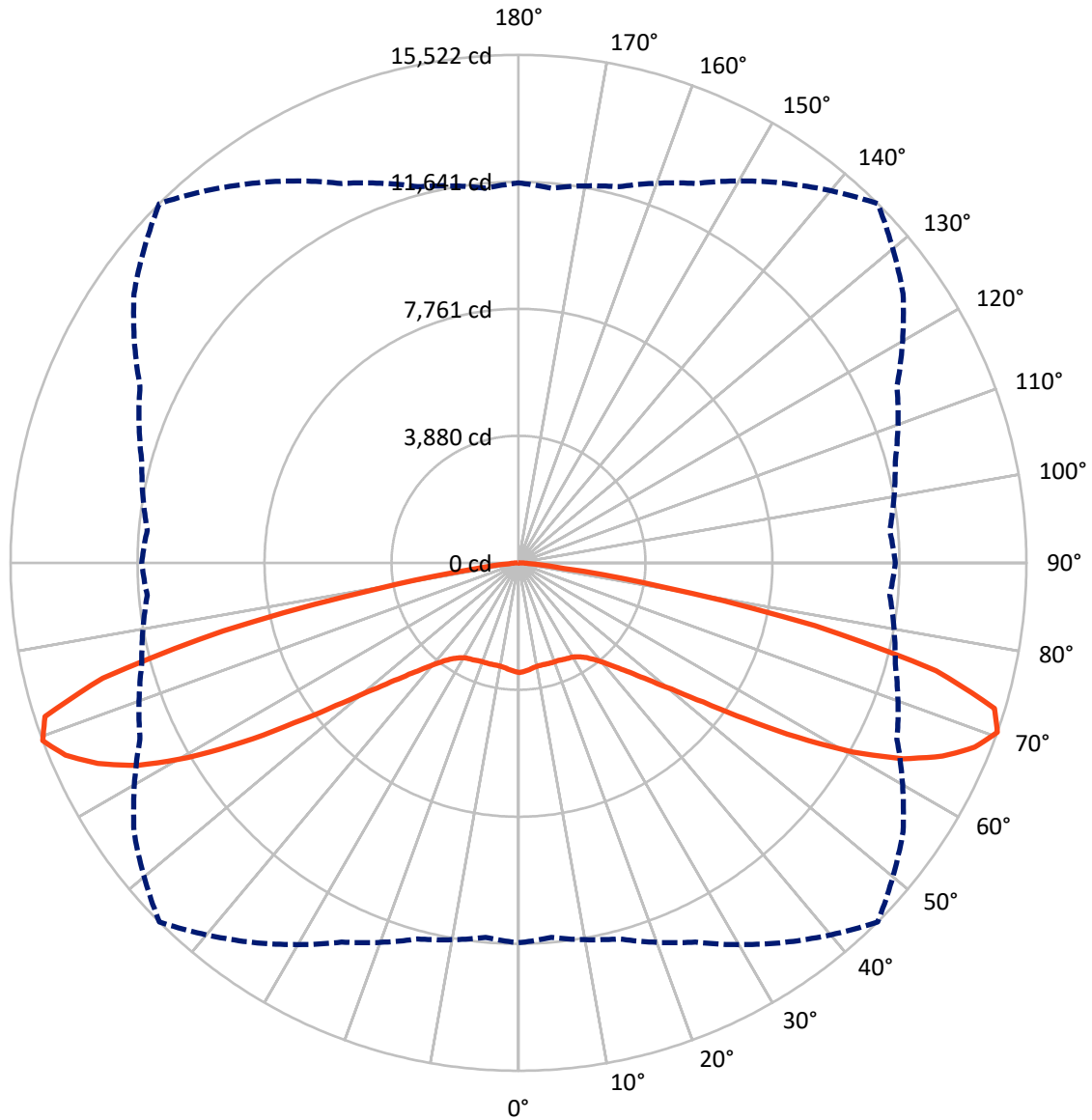
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

REPORT NUMBER: P851231
CATALOG NUMBER: GLAN-SB9A-840-U-5WQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P851231
 CATALOG NUMBER: GLAN-SB9A-840-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18377.0	0.0	18377.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18377.0	0.0	18377.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	36754.0	0.0	36754.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.9	0.8
10°-20°	915.8	2.5
20°-30°	1524.0	4.1
30°-40°	2304.7	6.3
40°-50°	3829.8	10.4
50°-60°	7226.7	19.7
60°-70°	12202.7	33.2
70°-80°	8018.4	21.8
80°-90°	420.1	1.1
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°	36754.0	100.0
0°-180°	36754.0	100.0

Coefficient of Utilization

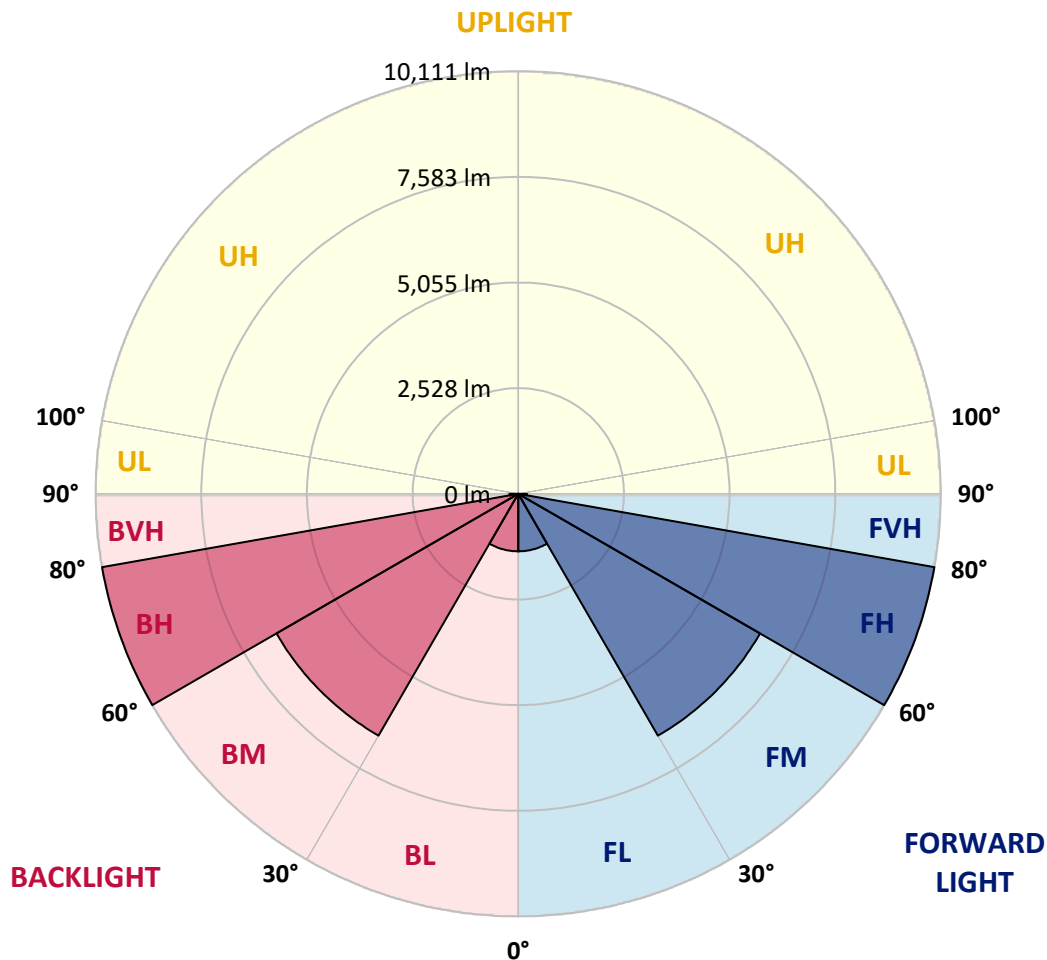


REPORT NUMBER: P851231
 CATALOG NUMBER: GLAN-SB9A-840-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1375.8	3.7			
FM (30°-60°)	6680.6	18.2			
FH (60°-80°)	10110.5	27.5			G4/12000
FVH (80°-90°)	210.0	0.6			G2/225
BL (0°-30°)	1375.8	3.7	B3/2500		
BM (30°-60°)	6680.6	18.2	B4/8500		
BH (60°-80°)	10110.5	27.5	B5		G4/12000
BVH (80°-90°)	210.0	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short



REPORT NUMBER: P851231
 CATALOG NUMBER: GLAN-SB9A-840-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3352.7	3352.7	3352.7	3352.7	3352.7	3352.7	3352.7	3352.7	3352.7	3352.7
2.5°	3331.7	3341.2	3337.4	3329.8	3329.8	3324.0	3329.8	3333.6	3339.3	3343.2
5°	3287.8	3295.4	3293.5	3287.8	3289.7	3283.9	3287.8	3293.5	3297.3	3299.2
7.5°	3249.5	3257.2	3253.4	3243.8	3243.8	3238.1	3240.0	3245.7	3251.5	3253.4
10°	3240.0	3247.6	3236.2	3220.9	3215.2	3207.5	3209.4	3215.2	3226.6	3232.4
12.5°	3243.8	3249.5	3238.1	3215.2	3209.4	3201.8	3201.8	3207.5	3222.8	3230.4
15°	3255.3	3261.0	3243.8	3219.0	3213.2	3207.5	3205.6	3213.2	3230.4	3243.8
17.5°	3276.3	3282.0	3255.3	3220.9	3213.2	3215.2	3213.2	3219.0	3245.7	3270.6
20°	3295.4	3299.2	3262.9	3220.9	3213.2	3215.2	3213.2	3224.7	3259.1	3293.5
22.5°	3301.1	3304.9	3270.6	3234.3	3228.5	3230.4	3228.5	3240.0	3272.5	3306.9
25°	3303.0	3308.8	3282.0	3253.4	3262.9	3266.7	3262.9	3264.8	3289.7	3320.2
27.5°	3331.7	3339.3	3314.5	3289.7	3295.4	3293.5	3299.2	3304.9	3324.0	3354.6
30°	3390.9	3396.6	3375.6	3350.8	3347.0	3333.6	3350.8	3369.9	3390.9	3417.7
32.5°	3488.3	3499.8	3473.1	3446.3	3429.1	3421.5	3434.9	3467.3	3496.0	3524.6
35°	3650.7	3658.4	3633.5	3583.9	3553.3	3553.3	3564.8	3606.8	3652.6	3688.9
37.5°	3880.0	3889.5	3845.6	3786.4	3740.5	3740.5	3755.8	3799.7	3868.5	3920.1
40°	4158.9	4172.3	4116.9	4055.7	4011.8	4004.1	4023.2	4072.9	4137.9	4202.8
42.5°	4495.1	4510.4	4437.8	4384.3	4349.9	4349.9	4359.5	4405.3	4464.5	4544.8
45°	4924.9	4951.7	4852.3	4798.9	4766.4	4774.0	4779.8	4819.9	4873.4	4965.1
47.5°	5436.9	5463.7	5358.6	5303.2	5297.5	5333.8	5310.8	5339.5	5368.1	5473.2
50°	6017.7	6063.5	5990.9	5987.1	5998.6	6065.4	6011.9	6027.2	5994.8	6061.6
52.5°	6728.3	6795.2	6781.8	6804.7	6932.7	7070.3	6948.0	6894.5	6772.3	6793.3
55°	7589.9	7691.2	7710.3	7847.8	8138.2	8419.0	8159.2	7943.3	7683.5	7635.8
57.5°	8569.9	8650.2	8741.9	9022.7	9565.2	10063.8	9565.2	9087.6	8678.8	8581.4
60°	9624.5	9723.8	9811.7	10226.2	11032.4	11733.5	11017.1	10258.7	9718.1	9586.3
62.5°	10757.3	10885.3	10946.4	11406.8	12346.7	13183.5	12360.1	11441.2	10841.4	10700.0
65°	11844.3	11949.4	12018.2	12509.1	13407.0	14245.7	13468.1	12562.6	11945.6	11760.3
67.5°	12350.6	12407.9	12576.0	13131.9	14079.4	15036.5	14239.9	13191.1	12501.5	12176.7
70°	11609.3	11492.8	11897.8	12788.0	14159.7	15521.8	14343.1	12761.3	11916.9	11389.6
72.5°	8971.1	8770.5	9473.5	10996.1	13242.7	15212.3	13334.4	11082.1	9911.0	8841.2
75°	4881.0	4653.7	5624.1	7549.8	10560.5	13185.4	10803.2	7765.7	6262.2	4844.7
77.5°	1377.4	1291.4	2074.7	3652.6	6352.0	9257.7	6596.5	3732.9	2460.6	1459.5
80°	422.2	408.8	554.0	1100.4	2697.4	4434.0	2592.4	1113.7	704.9	445.1
82.5°	250.3	229.2	275.1	401.2	687.7	1392.7	668.6	418.4	336.2	225.4
85°	143.3	133.7	162.4	194.9	231.2	296.1	192.9	198.7	179.6	120.4
87.5°	59.2	53.5	63.0	61.1	53.5	68.8	51.6	61.1	72.6	47.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3352.7
3341.2
3299.2
3253.4
3232.4
3232.4
3245.7
3270.6
3295.4
3306.9
3318.3
3347.0
3411.9
3513.2
3675.6
3901.0
4181.8
4539.0
4961.2
5442.7
6021.5
6722.6
7561.3
8512.6
9471.6
10585.4
11668.6
12180.5
11515.7
9106.7
5159.9
1621.9
470.0
244.5
126.1
43.9
0.0

OF REPORT)