

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: P851241

Luminaire Tested: **GLAN-SB9A-850-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P851241
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-850-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35486 lumens
Efficiency: N/A
Efficacy: 138.9 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

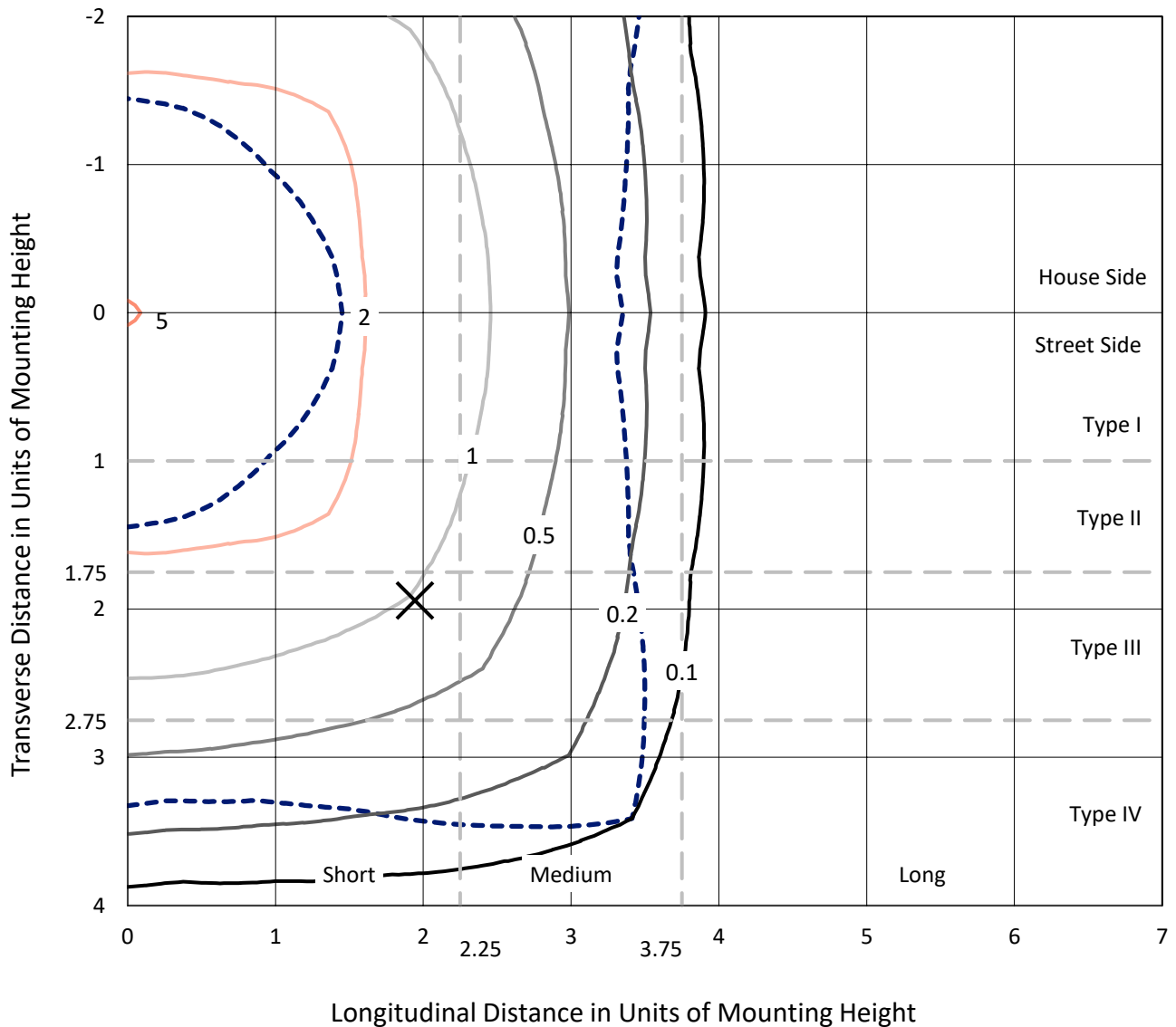
Input Watts (W): 255.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P851241
 CATALOG NUMBER: GLAN-SB9A-850-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

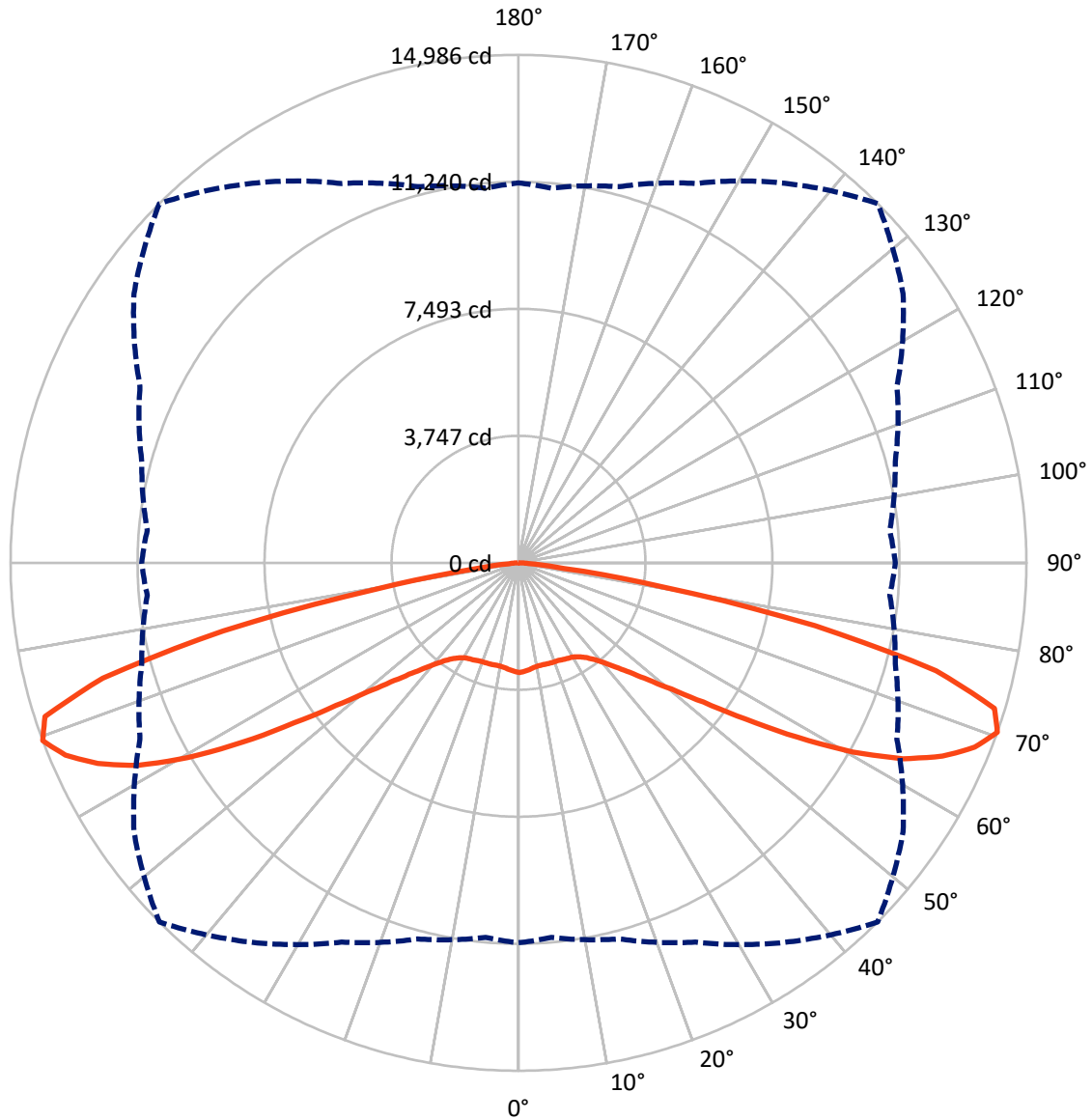
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type V - Short - N/A

REPORT NUMBER: P851241
CATALOG NUMBER: GLAN-SB9A-850-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P851241
 CATALOG NUMBER: GLAN-SB9A-850-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17743.0	0.0	17743.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17743.0	0.0	17743.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	35486.0	0.0	35486.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.1	0.8
10°-20°	884.2	2.5
20°-30°	1471.4	4.1
30°-40°	2225.2	6.3
40°-50°	3697.7	10.4
50°-60°	6977.4	19.7
60°-70°	11781.7	33.2
70°-80°	7741.8	21.8
80°-90°	405.6	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°	35486.0	100.0
0°-180°	35486.0	100.0

Coefficient of Utilization



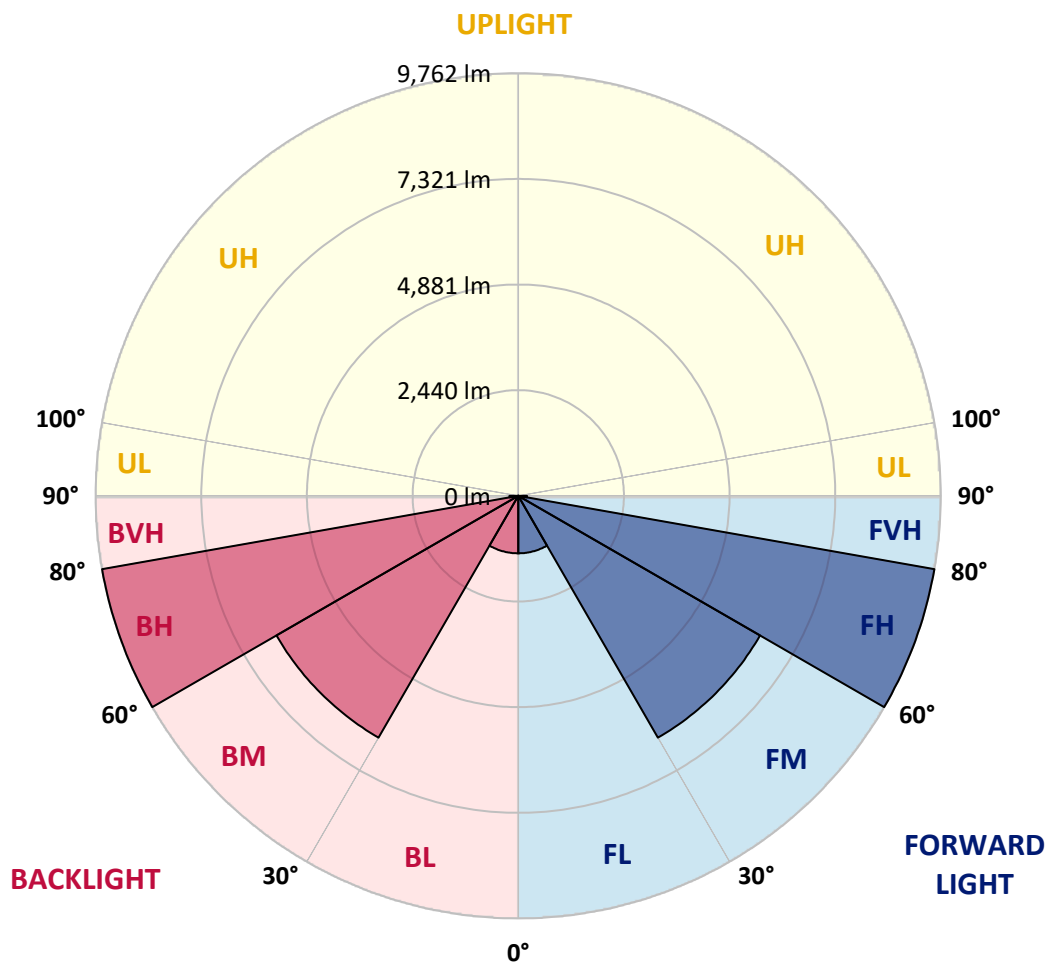
REPORT NUMBER: P851241
 CATALOG NUMBER: GLAN-SB9A-850-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1328.3	3.7			
FM (30°-60°)	6450.1	18.2			
FH (60°-80°)	9761.7	27.5			G4/12000
FVH (80°-90°)	202.8	0.6			G2/225
BL (0°-30°)	1328.3	3.7	B3/2500		
BM (30°-60°)	6450.1	18.2	B4/8500		
BH (60°-80°)	9761.7	27.5	B5		G4/12000
BVH (80°-90°)	202.8	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: P851241
 CATALOG NUMBER: GLAN-SB9A-850-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3237.0	3237.0	3237.0	3237.0	3237.0	3237.0	3237.0	3237.0	3237.0	3237.0
2.5°	3216.7	3226.0	3222.3	3214.9	3214.9	3209.4	3214.9	3218.6	3224.1	3227.8
5°	3174.3	3181.7	3179.9	3174.3	3176.2	3170.6	3174.3	3179.9	3183.5	3185.4
7.5°	3137.4	3144.8	3141.1	3131.9	3131.9	3126.4	3128.2	3133.7	3139.3	3141.1
10°	3128.2	3135.6	3124.5	3109.8	3104.2	3096.9	3098.7	3104.2	3115.3	3120.8
12.5°	3131.9	3137.4	3126.4	3104.2	3098.7	3091.3	3091.3	3096.9	3111.6	3119.0
15°	3143.0	3148.5	3131.9	3107.9	3102.4	3096.9	3095.0	3102.4	3119.0	3131.9
17.5°	3163.3	3168.8	3143.0	3109.8	3102.4	3104.2	3102.4	3107.9	3133.7	3157.7
20°	3181.7	3185.4	3150.3	3109.8	3102.4	3104.2	3102.4	3113.5	3146.7	3179.9
22.5°	3187.2	3190.9	3157.7	3122.7	3117.1	3119.0	3117.1	3128.2	3159.6	3192.8
25°	3189.1	3194.6	3168.8	3141.1	3150.3	3154.0	3150.3	3152.2	3176.2	3205.7
27.5°	3216.7	3224.1	3200.1	3176.2	3181.7	3179.9	3185.4	3190.9	3209.4	3238.9
30°	3273.9	3279.5	3259.2	3235.2	3231.5	3218.6	3235.2	3253.6	3273.9	3299.7
32.5°	3368.0	3379.1	3353.2	3327.4	3310.8	3303.4	3316.3	3347.7	3375.4	3403.0
35°	3524.8	3532.2	3508.2	3460.2	3430.7	3430.7	3441.8	3482.4	3526.6	3561.7
37.5°	3746.1	3755.3	3712.9	3655.7	3611.5	3611.5	3626.2	3668.6	3735.0	3784.8
40°	4015.4	4028.3	3974.8	3915.8	3873.4	3866.0	3884.4	3932.4	3995.1	4057.8
42.5°	4340.0	4354.8	4284.7	4233.0	4199.8	4199.8	4209.1	4253.3	4310.5	4388.0
45°	4755.0	4780.9	4684.9	4633.3	4601.9	4609.3	4614.9	4653.6	4705.2	4793.8
47.5°	5249.3	5275.2	5173.7	5120.2	5114.7	5149.7	5127.6	5155.3	5182.9	5284.4
50°	5810.1	5854.3	5784.2	5780.6	5791.6	5856.2	5804.5	5819.3	5787.9	5852.5
52.5°	6496.2	6560.8	6547.9	6570.0	6693.6	6826.4	6708.3	6656.7	6538.6	6558.9
55°	7328.1	7425.8	7444.3	7577.1	7857.4	8128.6	7877.7	7669.3	7418.4	7372.3
57.5°	8274.3	8351.7	8440.3	8711.4	9235.2	9716.6	9235.2	8774.1	8379.4	8285.3
60°	9292.4	9388.3	9473.2	9873.4	10651.8	11328.7	10637.0	9904.8	9382.8	9255.5
62.5°	10386.2	10509.8	10568.8	11013.3	11920.8	12728.7	11933.7	11046.5	10467.3	10330.9
65°	11435.7	11537.1	11603.5	12077.6	12944.5	13754.2	13003.5	12129.2	11533.4	11354.5
67.5°	11924.5	11979.8	12142.1	12678.9	13593.7	14517.8	13748.6	12736.0	12070.2	11756.6
70°	11208.8	11096.3	11487.3	12346.9	13671.2	14986.3	13848.3	12321.0	11505.8	10996.7
72.5°	8661.6	8467.9	9146.7	10616.7	12785.8	14687.5	12874.4	10699.7	9569.1	8536.2
75°	4712.6	4493.1	5430.1	7289.3	10196.2	12730.5	10430.5	7497.8	6046.2	4677.6
77.5°	1329.9	1246.9	2003.1	3526.6	6132.8	8938.3	6368.9	3604.1	2375.7	1409.2
80°	407.6	394.7	534.9	1062.4	2604.4	4281.0	2502.9	1075.3	680.6	429.8
82.5°	241.6	221.3	265.6	387.3	664.0	1344.6	645.6	403.9	324.6	217.6
85°	138.3	129.1	156.8	188.1	223.2	285.9	186.3	191.8	173.4	116.2
87.5°	57.2	51.6	60.9	59.0	51.6	66.4	49.8	59.0	70.1	46.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3237.0
3226.0
3185.4
3141.1
3120.8
3120.8
3133.7
3157.7
3181.7
3192.8
3203.8
3231.5
3294.2
3392.0
3548.8
3766.4
4037.5
4382.5
4790.1
5254.9
5813.8
6490.7
7300.4
8218.9
9144.9
10220.2
11266.0
11760.3
11118.4
8792.6
4981.9
1566.0
453.7
236.1
121.7
42.4
0.0

OF REPORT)