

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: P849851

Luminaire Tested: **GLAN-SB7A-830-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P849851
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-SB7A-830-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27707 lumens
Efficiency: N/A
Efficacy: 139.2 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

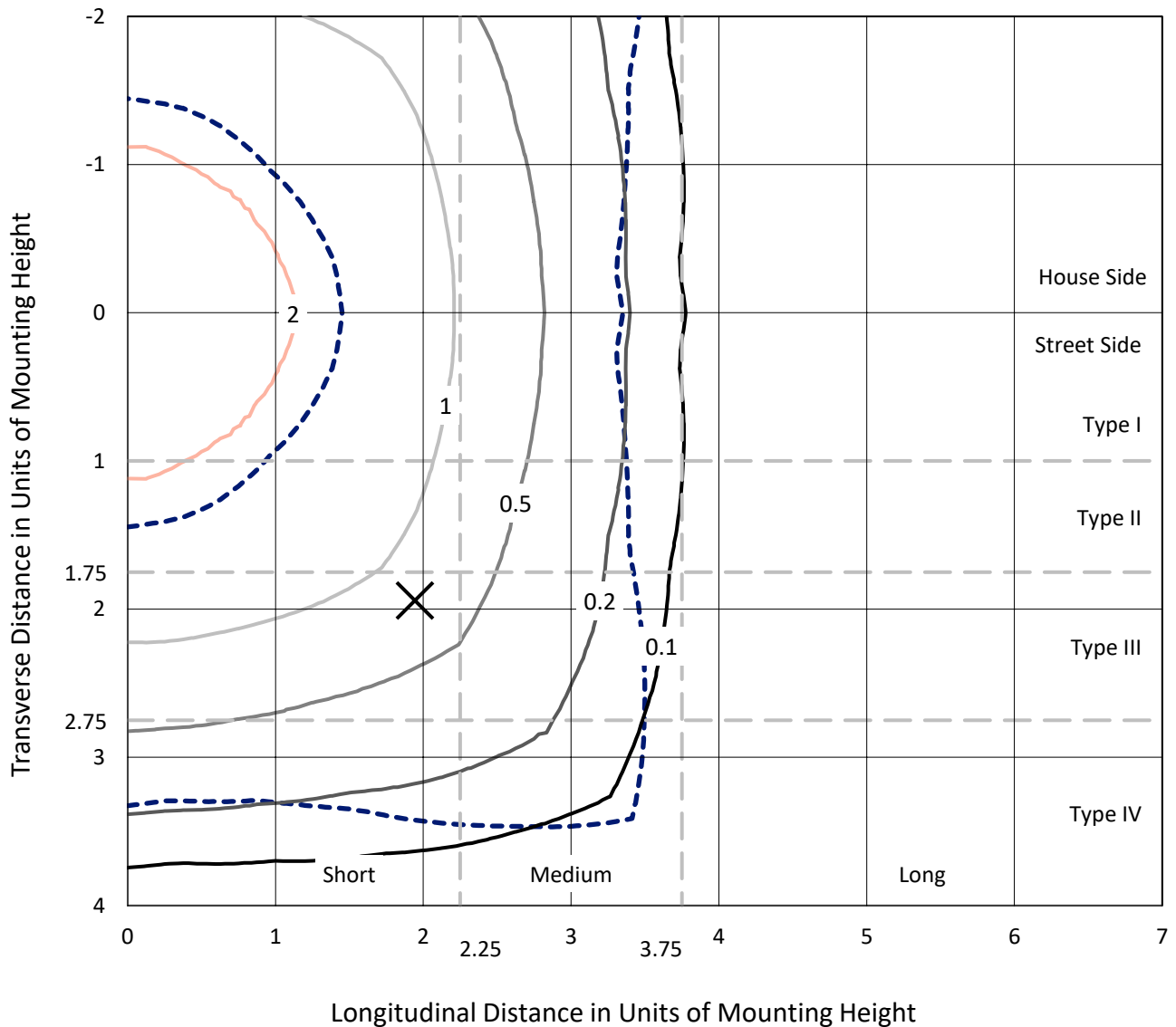
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P849851
 CATALOG NUMBER: GLAN-SB7A-830-U-5WQ

Iso-Footcandle Lines of Horizontal Illumination

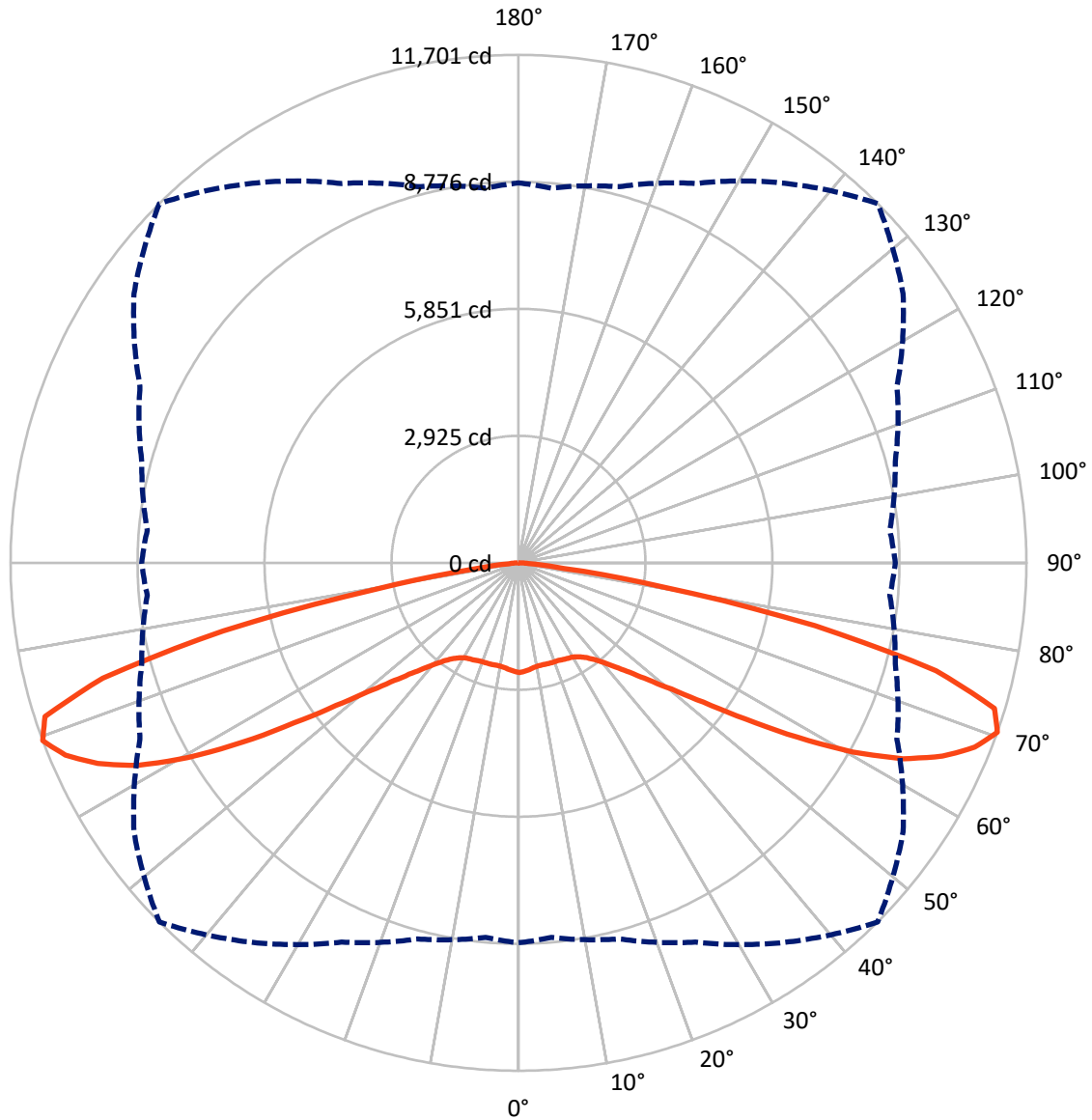
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

REPORT NUMBER: P849851
CATALOG NUMBER: GLAN-SB7A-830-U-5WQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P849851
 CATALOG NUMBER: GLAN-SB7A-830-U-5WQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13853.5	0.0	13853.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13853.5	0.0	13853.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27707.0	0.0	27707.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	235.1	0.8
10°-20°	690.3	2.5
20°-30°	1148.8	4.1
30°-40°	1737.4	6.3
40°-50°	2887.1	10.4
50°-60°	5447.9	19.7
60°-70°	9199.0	33.2
70°-80°	6044.7	21.8
80°-90°	316.7	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°	27707.0	100.0
0°-180°	27707.0	100.0

Coefficient of Utilization



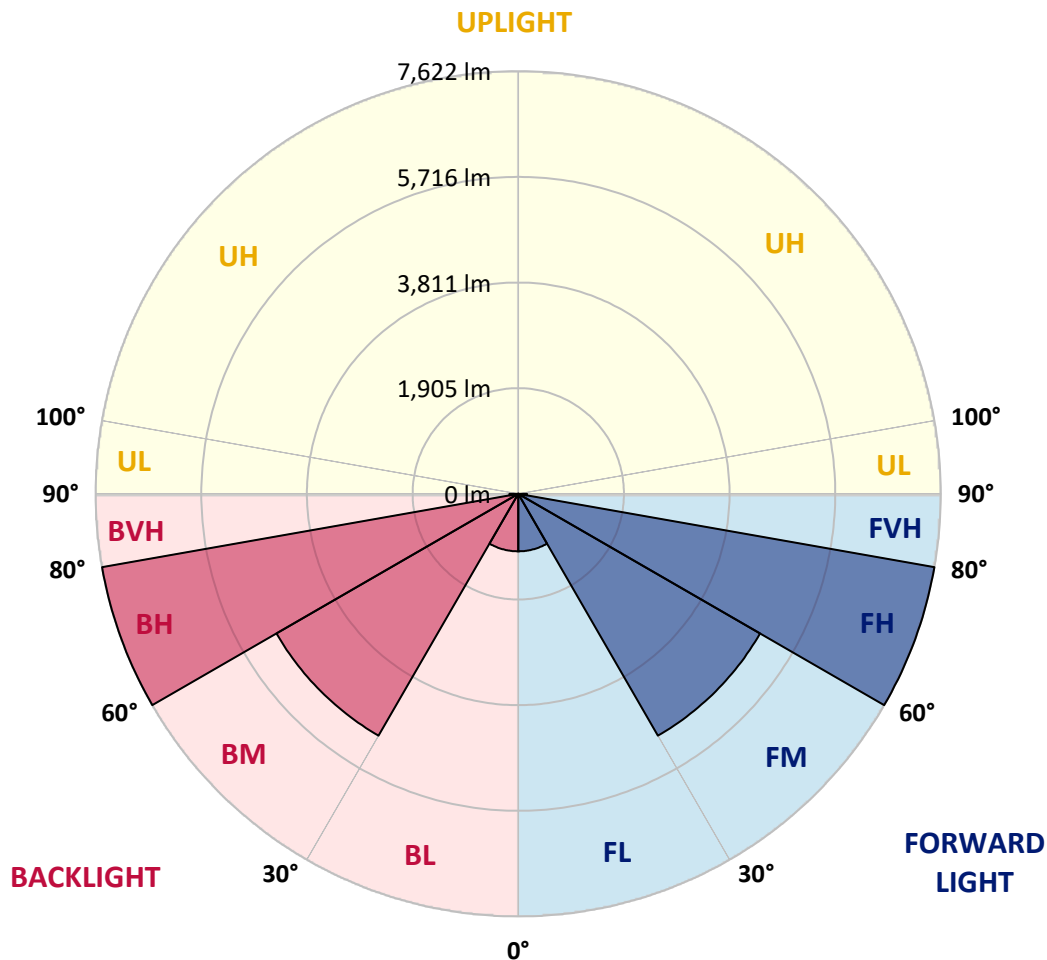
REPORT NUMBER: P849851
 CATALOG NUMBER: GLAN-SB7A-830-U-5WQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1037.1	3.7			
FM (30°-60°)	5036.2	18.2			
FH (60°-80°)	7621.8	27.5			G4/12000
FVH (80°-90°)	158.3	0.6			G2/225
BL (0°-30°)	1037.1	3.7	B3/2500		
BM (30°-60°)	5036.2	18.2	B4/8500		
BH (60°-80°)	7621.8	27.5	B5		G4/12000
BVH (80°-90°)	158.3	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: P849851
 CATALOG NUMBER: GLAN-SB7A-830-U-5WQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2527.4	2527.4	2527.4	2527.4	2527.4	2527.4	2527.4	2527.4	2527.4	2527.4
2.5°	2511.6	2518.8	2515.9	2510.2	2510.2	2505.8	2510.2	2513.0	2517.4	2520.2
5°	2478.5	2484.2	2482.8	2478.5	2479.9	2475.6	2478.5	2482.8	2485.7	2487.1
7.5°	2449.7	2455.4	2452.5	2445.3	2445.3	2441.0	2442.5	2446.8	2451.1	2452.5
10°	2442.5	2448.2	2439.6	2428.1	2423.7	2418.0	2419.4	2423.7	2432.4	2436.7
12.5°	2445.3	2449.7	2441.0	2423.7	2419.4	2413.7	2413.7	2418.0	2429.5	2435.3
15°	2454.0	2458.3	2445.3	2426.6	2422.3	2418.0	2416.5	2422.3	2435.3	2445.3
17.5°	2469.8	2474.2	2454.0	2428.1	2422.3	2423.7	2422.3	2426.6	2446.8	2465.5
20°	2484.2	2487.1	2459.7	2428.1	2422.3	2423.7	2422.3	2430.9	2456.9	2482.8
22.5°	2488.6	2491.4	2465.5	2438.1	2433.8	2435.3	2433.8	2442.5	2467.0	2492.9
25°	2490.0	2494.3	2474.2	2452.5	2459.7	2462.6	2459.7	2461.2	2479.9	2503.0
27.5°	2511.6	2517.4	2498.6	2479.9	2484.2	2482.8	2487.1	2491.4	2505.8	2528.9
30°	2556.2	2560.6	2544.7	2526.0	2523.1	2513.0	2526.0	2540.4	2556.2	2576.4
32.5°	2629.7	2638.3	2618.2	2598.0	2585.0	2579.3	2589.4	2613.8	2635.4	2657.0
35°	2752.1	2757.9	2739.1	2701.7	2678.7	2678.7	2687.3	2719.0	2753.5	2780.9
37.5°	2924.9	2932.1	2899.0	2854.3	2819.8	2819.8	2831.3	2864.4	2916.3	2955.2
40°	3135.2	3145.3	3103.5	3057.4	3024.3	3018.5	3032.9	3070.4	3119.3	3168.3
42.5°	3388.6	3400.2	3345.4	3305.1	3279.2	3279.2	3286.4	3321.0	3365.6	3426.1
45°	3712.7	3732.8	3657.9	3617.6	3593.1	3598.9	3603.2	3633.5	3673.8	3742.9
47.5°	4098.6	4118.8	4039.6	3997.8	3993.5	4020.9	4003.6	4025.2	4046.8	4126.0
50°	4536.4	4571.0	4516.3	4513.4	4522.0	4572.4	4532.1	4543.6	4519.1	4569.5
52.5°	5072.2	5122.6	5112.5	5129.8	5226.2	5329.9	5237.8	5197.4	5105.3	5121.1
55°	5721.7	5798.0	5812.4	5916.1	6135.0	6346.7	6150.8	5988.1	5792.2	5756.2
57.5°	6460.4	6520.9	6590.1	6801.8	7210.8	7586.6	7210.8	6850.7	6542.5	6469.1
60°	7255.4	7330.3	7396.5	7709.0	8316.8	8845.3	8305.3	7733.5	7326.0	7226.6
62.5°	8109.4	8205.9	8252.0	8599.0	9307.6	9938.4	9317.7	8625.0	8172.8	8066.2
65°	8928.8	9008.0	9059.9	9430.0	10106.9	10739.1	10152.9	9470.3	9005.2	8865.5
67.5°	9310.5	9353.7	9480.4	9899.5	10613.8	11335.3	10734.8	9944.1	9424.2	9179.4
70°	8751.7	8663.8	8969.2	9640.3	10674.3	11701.1	10812.5	9620.1	8983.6	8586.1
72.5°	6762.9	6611.7	7141.6	8289.4	9983.0	11467.8	10052.1	8354.2	7471.4	6664.9
75°	3679.5	3508.2	4239.8	5691.4	7961.1	9939.8	8144.0	5854.1	4720.8	3652.2
77.5°	1038.3	973.5	1564.0	2753.5	4788.4	6978.9	4972.8	2814.0	1854.9	1100.3
80°	318.3	308.2	417.6	829.5	2033.5	3342.6	1954.3	839.6	531.4	335.6
82.5°	188.7	172.8	207.4	302.4	518.4	1049.9	504.0	315.4	253.5	169.9
85°	108.0	100.8	122.4	146.9	174.3	223.2	145.5	149.8	135.4	90.7
87.5°	44.6	40.3	47.5	46.1	40.3	51.8	38.9	46.1	54.7	36.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2527.4
2518.8
2487.1
2452.5
2436.7
2436.7
2446.8
2465.5
2484.2
2492.9
2501.5
2523.1
2572.1
2648.4
2770.8
2940.8
3152.5
3421.8
3740.0
4102.9
4539.3
5067.8
5700.1
6417.2
7140.2
7979.8
8796.3
9182.3
8681.1
6865.1
3889.8
1222.7
354.3
184.3
95.0
33.1
0.0

OF REPORT)