

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: P847754

Luminaire Tested: **GLAN-SB4A-730-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847754
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-SB4A-730-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17180 lumens
Efficiency: N/A
Efficacy: 150.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

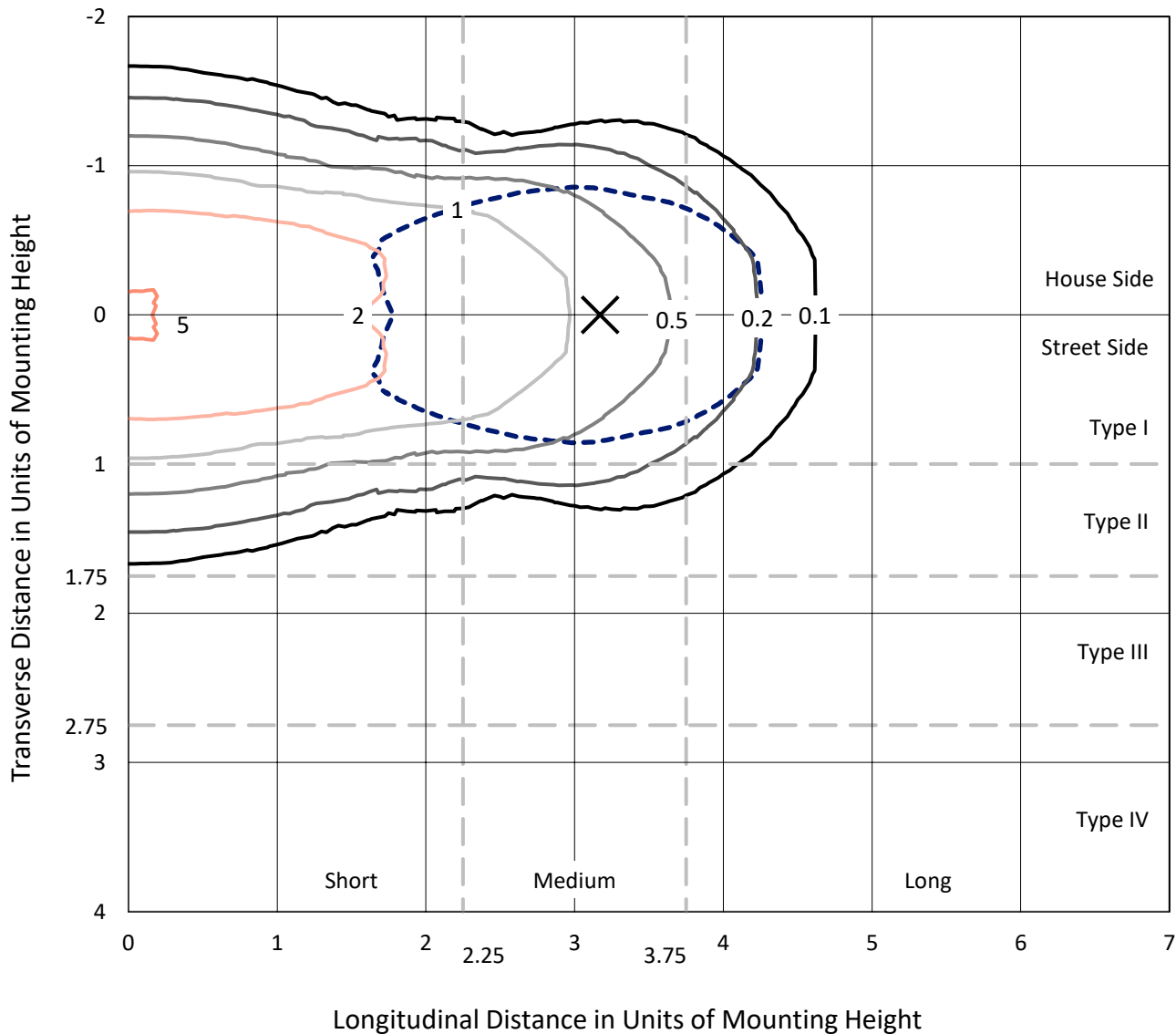
Input Watts (W): 114
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P847754
 CATALOG NUMBER: GLAN-SB4A-730-U-T1

Iso-Footcandle Lines of Horizontal Illumination

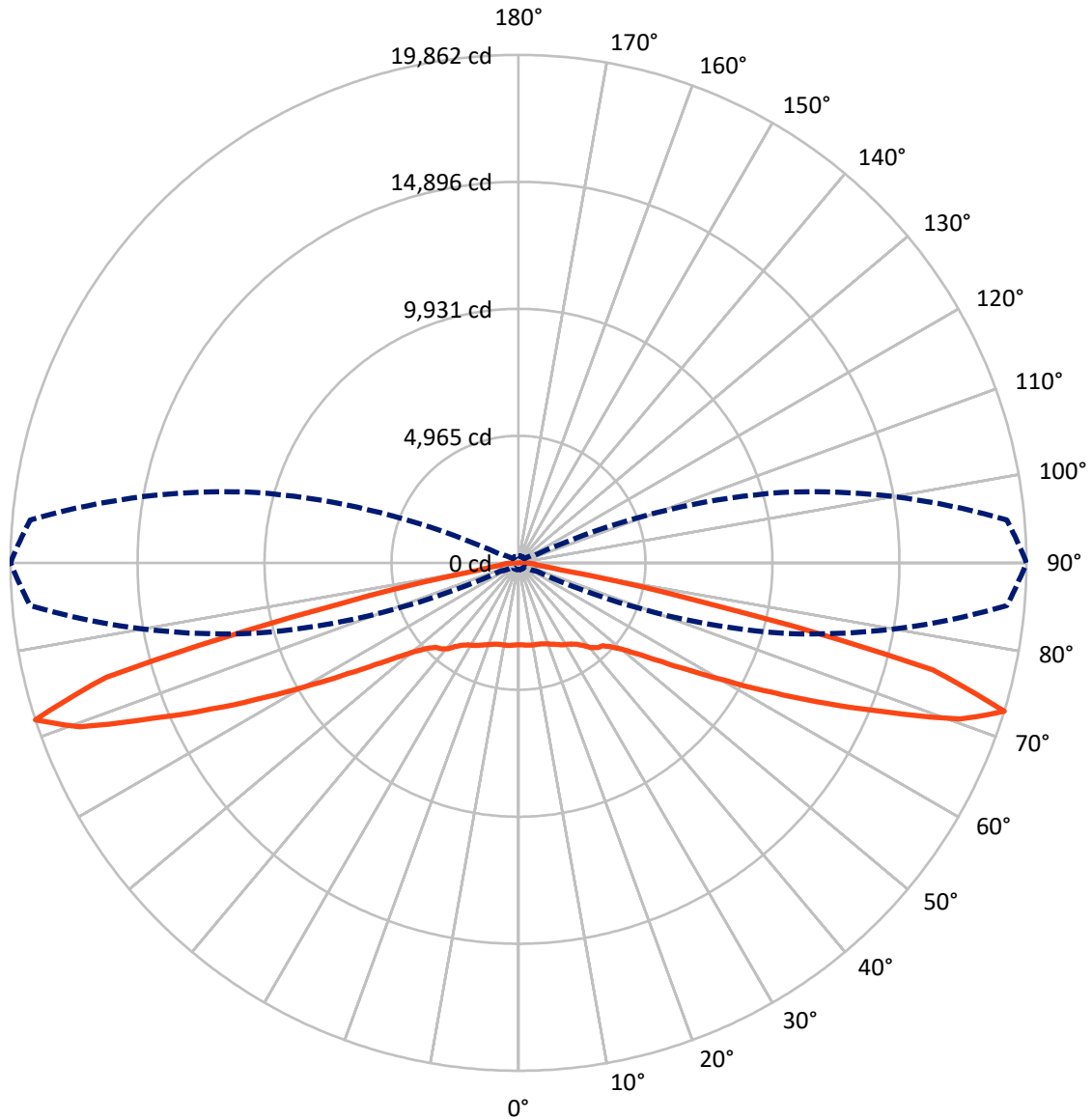
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type I - Short - N/A

REPORT NUMBER: P847754
CATALOG NUMBER: GLAN-SB4A-730-U-T1

Luminous Intensity Polar Plot



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

REPORT NUMBER: P847754
 CATALOG NUMBER: GLAN-SB4A-730-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8590.0	0.0	8590.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8590.0	0.0	8590.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	17180.0	0.0	17180.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.3	1.8
10°-20°	951.8	5.5
20°-30°	1587.0	9.2
30°-40°	2182.6	12.7
40°-50°	2665.5	15.5
50°-60°	3082.9	17.9
60°-70°	3675.9	21.4
70°-80°	2565.5	14.9
80°-90°	157.6	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°	17180.0	100.0
0°-180°	17180.0	100.0

Coefficient of Utilization

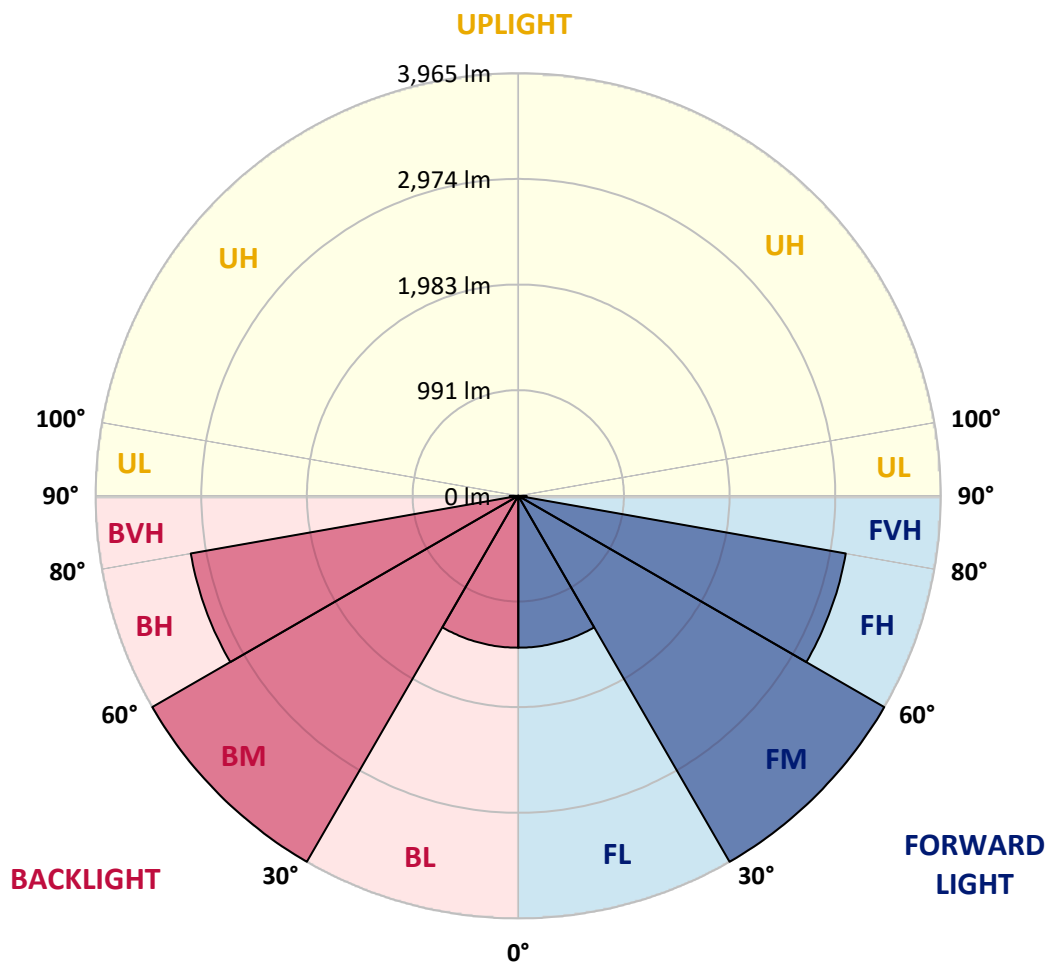


REPORT NUMBER: P847754
 CATALOG NUMBER: GLAN-SB4A-730-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1425.0	8.3			
FM (30°-60°)	3965.5	23.1			
FH (60°-80°)	3120.7	18.2			G2/5000
FVH (80°-90°)	78.8	0.5			G1/100
BL (0°-30°)	1425.0	8.3	B3/2500		
BM (30°-60°)	3965.5	23.1	B3/5000		
BH (60°-80°)	3120.7	18.2	B4/5000		G4/5000
BVH (80°-90°)	78.8	0.5			G1/100
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: P847754

CATALOG NUMBER: GLAN-SB4A-730-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3210.3	3210.3	3210.3	3210.3	3210.3	3210.3	3210.3	3210.3	3210.3	3210.3
2.5°	3213.0	3216.7	3216.7	3213.9	3220.3	3214.8	3214.8	3212.1	3214.8	3212.1
5°	3229.4	3234.0	3235.8	3234.9	3243.1	3238.6	3238.6	3234.9	3235.8	3233.1
7.5°	3260.5	3266.9	3270.5	3275.1	3287.0	3281.5	3277.8	3266.9	3262.3	3255.0
10°	3270.5	3277.8	3289.7	3313.4	3340.8	3341.7	3330.8	3303.4	3282.4	3266.0
12.5°	3239.5	3249.5	3274.2	3322.6	3383.7	3408.4	3391.0	3345.4	3304.3	3275.1
15°	3200.2	3211.2	3248.6	3321.7	3412.0	3469.6	3467.7	3407.5	3341.7	3296.1
17.5°	3139.0	3150.0	3203.9	3306.1	3434.0	3528.9	3554.5	3492.4	3400.2	3339.0
20°	3028.6	3038.6	3113.5	3256.8	3441.3	3591.9	3658.6	3603.8	3488.7	3405.7
22.5°	2885.2	2900.7	2988.4	3171.9	3423.9	3657.7	3777.3	3739.8	3591.9	3476.9
25°	2731.8	2748.3	2850.5	3067.8	3379.2	3705.1	3917.9	3894.1	3708.8	3565.4
27.5°	2599.4	2616.8	2728.2	2964.7	3309.8	3723.4	4056.7	4068.5	3850.3	3663.1
30°	2495.4	2511.8	2630.5	2881.6	3220.3	3705.1	4178.1	4260.3	3994.6	3748.0
32.5°	2381.2	2402.2	2527.3	2780.2	3114.4	3661.3	4284.0	4467.5	4161.7	3839.4
35°	2237.0	2256.1	2387.6	2641.4	2975.6	3591.0	4372.6	4697.6	4400.9	3978.1
37.5°	2061.7	2079.9	2210.5	2468.0	2837.7	3492.4	4440.1	4956.9	4685.7	4178.1
40°	1885.4	1902.8	2025.1	2274.4	2672.5	3366.4	4463.9	5210.7	5012.6	4452.9
42.5°	1723.8	1739.3	1851.7	2083.6	2487.1	3205.7	4432.8	5431.7	5305.7	4644.7
45°	1575.0	1588.7	1688.2	1904.6	2294.5	3010.3	4339.7	5669.1	5654.5	4781.6
47.5°	1405.2	1418.9	1522.0	1731.1	2101.8	2781.1	4181.7	5902.8	6139.3	5092.0
50°	1197.9	1209.8	1315.7	1531.2	1901.9	2537.4	3962.6	6086.4	6751.1	5562.3
52.5°	952.3	965.1	1068.3	1283.7	1664.5	2275.3	3674.1	6206.0	7457.7	6248.9
55°	708.5	717.7	807.1	1000.7	1370.5	1976.7	3312.5	6239.7	8259.4	7187.5
57.5°	514.0	519.5	577.0	721.3	1039.0	1603.3	2873.4	6152.1	9213.5	8390.9
60°	416.3	418.2	435.5	499.4	722.2	1181.5	2342.9	5850.8	10248.9	9942.1
62.5°	378.0	378.0	382.6	399.9	488.5	779.7	1701.0	5226.3	11359.2	11902.4
65°	351.5	351.5	353.3	361.6	385.3	496.7	1073.7	4209.1	12295.1	14198.8
67.5°	327.8	328.7	327.8	330.5	344.2	367.0	622.7	2907.1	12799.1	16578.1
70°	303.1	305.0	300.4	300.4	311.3	312.3	389.9	1594.2	12380.9	18572.2
72.5°	273.9	276.7	269.3	267.5	275.7	272.1	293.1	765.1	10629.7	19167.5
75°	248.3	252.0	235.6	231.0	231.0	228.3	238.3	392.6	6899.0	15635.9
77.5°	225.5	232.8	206.3	191.7	188.1	179.9	194.5	240.1	3017.6	7340.9
80°	186.3	196.3	169.8	152.5	146.1	137.0	153.4	168.0	897.5	1704.7
82.5°	138.8	143.3	120.5	108.7	103.2	96.8	115.0	116.9	292.2	603.5
85°	88.6	90.4	74.0	63.9	61.2	58.4	73.0	63.9	111.4	443.7
87.5°	31.0	35.6	28.3	25.6	27.4	22.8	33.8	19.2	31.0	313.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3210.3
3212.1
3233.1
3255.0
3263.2
3270.5
3288.8
3329.0
3390.1
3455.9
3536.2
3632.1
3703.3
3782.7
3915.1
4094.1
4363.4
4529.6
4626.4
4913.1
5337.7
5972.2
6841.4
7955.4
9393.4
11167.4
13269.3
15574.7
18308.4
19861.5
16724.2
7188.4
1632.5
682.0
644.6
388.0
0.0

OF REPORT)