

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: P848504

Luminaire Tested: **GLAN-SB5A-835-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848504
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-SB5A-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 80 CRI, 3500K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18560 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

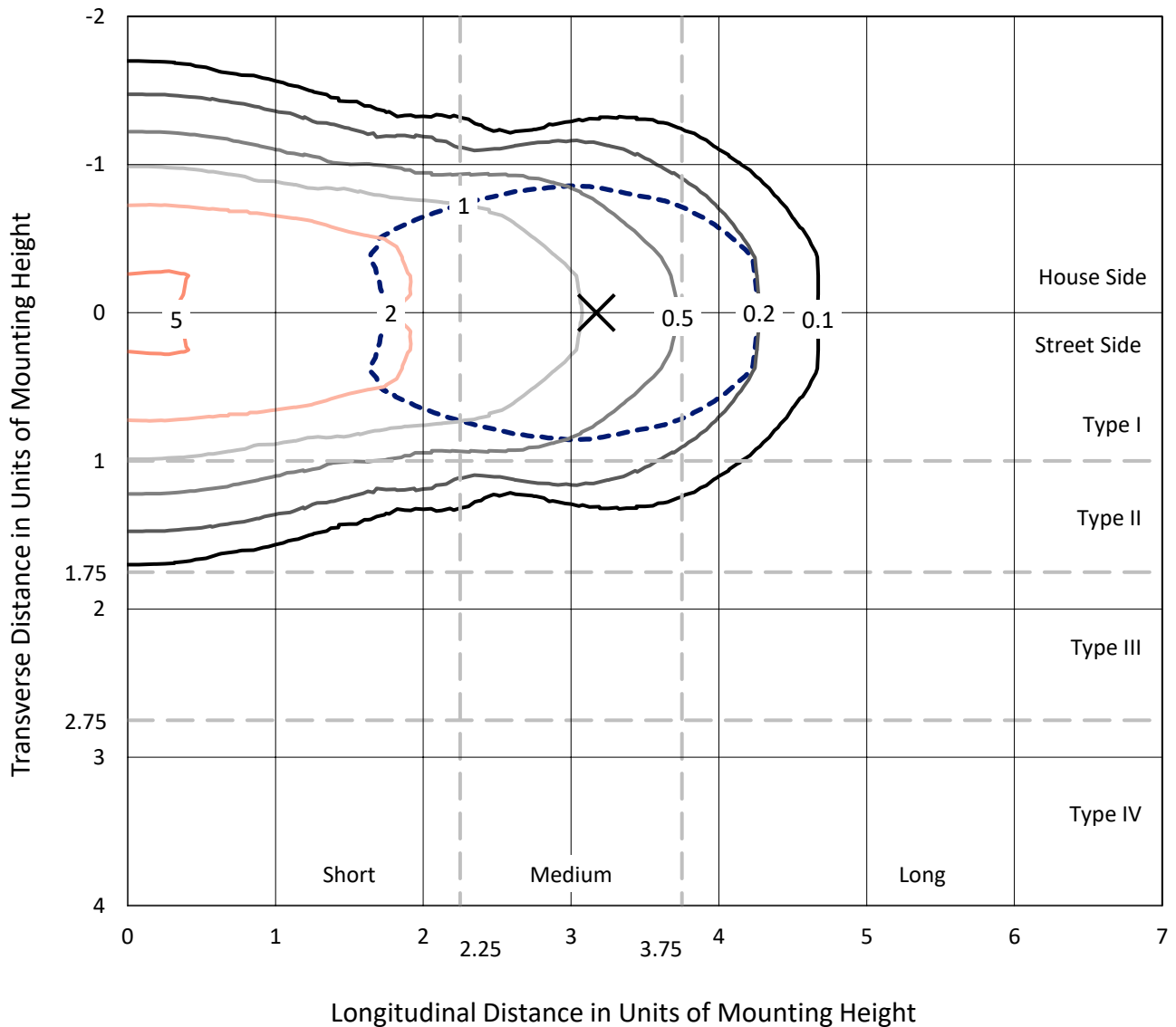
Input Watts (W): 141.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

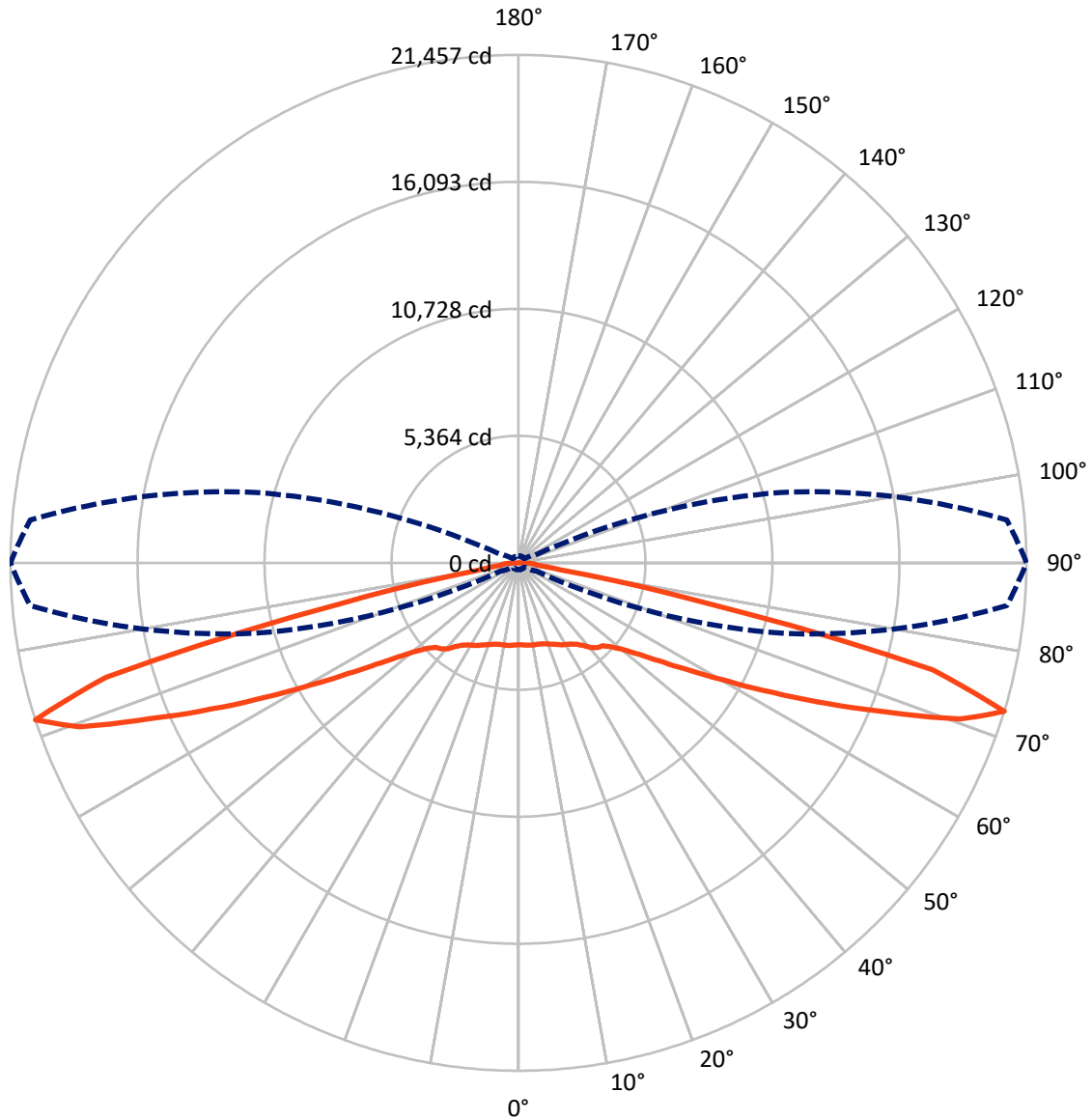
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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

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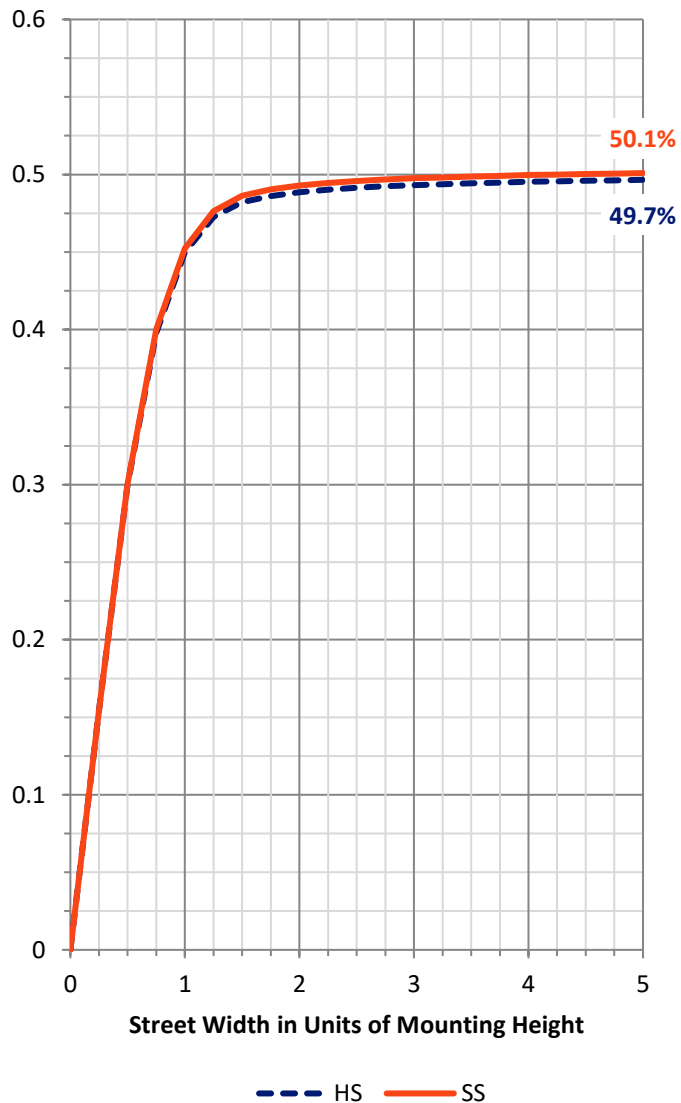
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9280.0	0.0	9280.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9280.0	0.0	9280.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	18560.0	0.0	18560.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.3	1.8
10°-20°	1028.2	5.5
20°-30°	1714.4	9.2
30°-40°	2357.9	12.7
40°-50°	2879.6	15.5
50°-60°	3330.6	17.9
60°-70°	3971.2	21.4
70°-80°	2771.6	14.9
80°-90°	170.2	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°	18560.0	100.0
0°-180°	18560.0	100.0

Coefficient of Utilization



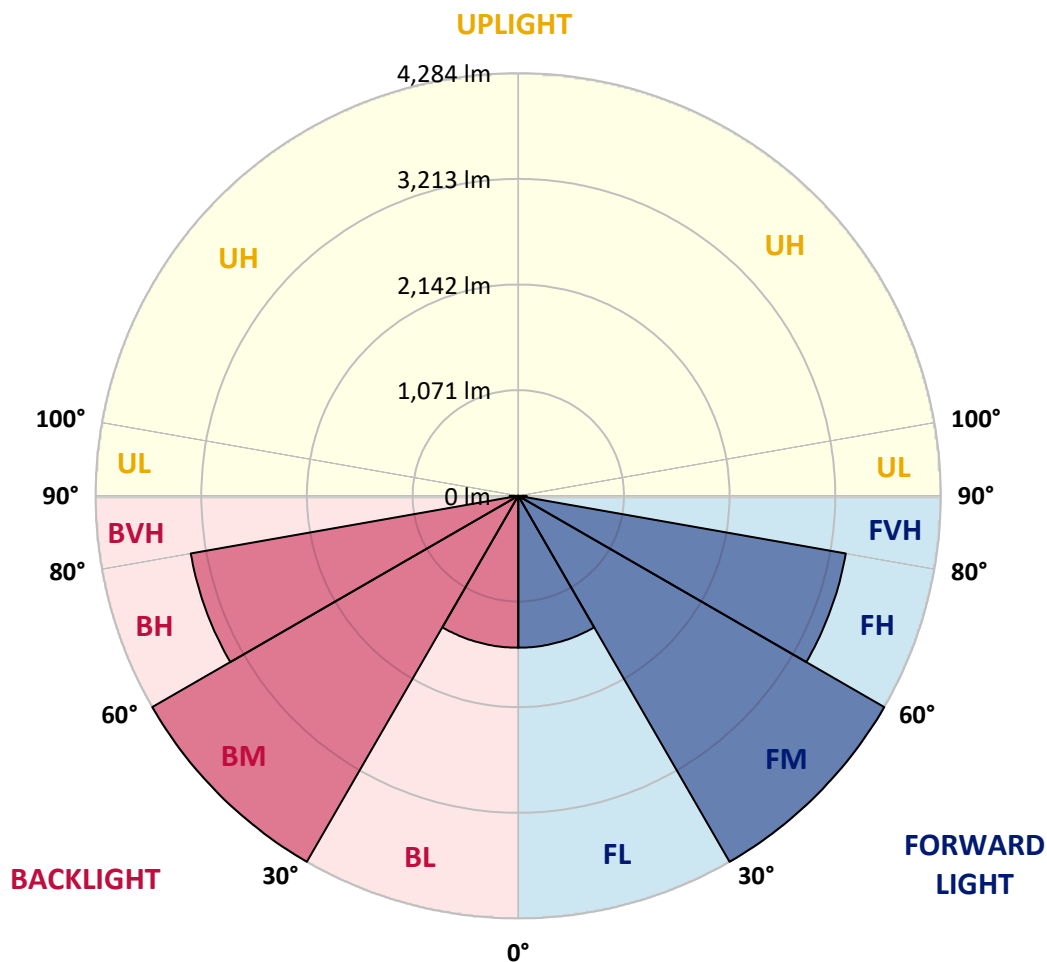
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1539.5	8.3			
FM (30°-60°)	4284.0	23.1			
FH (60°-80°)	3371.4	18.2			G2/5000
FVH (80°-90°)	85.1	0.5			G1/100
BL (0°-30°)	1539.5	8.3	B3/2500		
BM (30°-60°)	4284.0	23.1	B3/5000		
BH (60°-80°)	3371.4	18.2	B4/5000		G4/5000
BVH (80°-90°)	85.1	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3468.1	3468.1	3468.1	3468.1	3468.1	3468.1	3468.1	3468.1	3468.1	3468.1
2.5°	3471.1	3475.0	3475.0	3472.1	3479.0	3473.1	3473.1	3470.1	3473.1	3470.1
5°	3488.8	3493.8	3495.8	3494.8	3503.6	3498.7	3498.7	3494.8	3495.8	3492.8
7.5°	3522.4	3529.3	3533.2	3538.2	3551.0	3545.1	3541.1	3529.3	3524.4	3516.5
10°	3533.2	3541.1	3553.9	3579.6	3609.2	3610.2	3598.3	3568.7	3546.1	3528.3
12.5°	3499.7	3510.5	3537.2	3589.5	3655.5	3682.2	3663.4	3614.1	3569.7	3538.2
15°	3457.3	3469.1	3509.6	3588.5	3686.1	3748.3	3746.3	3681.2	3610.2	3560.9
17.5°	3391.2	3403.0	3461.2	3571.7	3709.8	3812.4	3840.0	3772.9	3673.3	3607.2
20°	3271.8	3282.7	3363.6	3518.4	3717.7	3880.4	3952.4	3893.3	3769.0	3679.2
22.5°	3117.0	3133.7	3228.4	3426.7	3698.9	3951.5	4080.7	4040.2	3880.4	3756.2
25°	2951.3	2969.0	3079.5	3314.3	3650.6	4002.8	4232.6	4206.9	4006.7	3851.8
27.5°	2808.2	2827.0	2947.3	3202.8	3575.6	4022.5	4382.5	4395.3	4159.6	3957.4
30°	2695.8	2713.5	2841.8	3113.0	3479.0	4002.8	4513.7	4602.5	4315.4	4049.1
32.5°	2572.5	2595.2	2730.3	3003.5	3364.6	3955.4	4628.1	4826.4	4495.9	4147.8
35°	2416.6	2437.4	2579.4	2853.6	3214.6	3879.5	4723.8	5075.0	4754.4	4297.7
37.5°	2227.3	2247.0	2388.0	2666.2	3065.7	3772.9	4796.8	5355.1	5062.1	4513.7
40°	2036.9	2055.6	2187.8	2457.1	2887.2	3636.8	4822.4	5629.3	5415.3	4810.6
42.5°	1862.3	1879.1	2000.4	2250.9	2686.9	3463.2	4788.9	5868.0	5731.9	5017.7
45°	1701.5	1716.3	1823.8	2057.6	2478.8	3252.1	4688.3	6124.5	6108.7	5165.7
47.5°	1518.0	1532.8	1644.3	1870.2	2270.7	3004.5	4517.6	6377.0	6632.5	5501.1
50°	1294.1	1307.0	1421.4	1654.2	2054.6	2741.2	4280.9	6575.2	7293.3	6009.1
52.5°	1028.8	1042.6	1154.1	1386.9	1798.2	2458.1	3969.2	6704.5	8056.8	6750.8
55°	765.4	775.3	872.0	1081.1	1480.6	2135.5	3578.6	6741.0	8922.8	7764.8
57.5°	555.3	561.3	623.4	779.2	1122.5	1732.1	3104.2	6646.3	9953.6	9064.9
60°	449.8	451.8	470.5	539.6	780.2	1276.4	2531.1	6320.8	11072.2	10740.8
62.5°	408.4	408.4	413.3	432.0	527.7	842.4	1837.6	5646.1	12271.6	12858.5
65°	379.8	379.8	381.7	390.6	416.3	536.6	1160.0	4547.2	13282.7	15339.3
67.5°	354.1	355.1	354.1	357.1	371.9	396.5	672.7	3140.7	13827.2	17909.8
70°	327.5	329.5	324.5	324.5	336.4	337.3	421.2	1722.2	13375.4	20064.1
72.5°	295.9	298.9	291.0	289.0	297.9	293.9	316.6	826.6	11483.5	20707.2
75°	268.3	272.2	254.5	249.6	249.6	246.6	257.4	424.1	7453.1	16891.9
77.5°	243.6	251.5	222.9	207.1	203.2	194.3	210.1	259.4	3260.0	7930.5
80°	201.2	212.1	183.5	164.7	157.8	148.0	165.7	181.5	969.6	1841.6
82.5°	149.9	154.9	130.2	117.4	111.5	104.6	124.3	126.3	315.6	652.0
85°	95.7	97.7	79.9	69.0	66.1	63.1	78.9	69.0	120.3	479.4
87.5°	33.5	38.5	30.6	27.6	29.6	24.7	36.5	20.7	33.5	338.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3468.1
3470.1
3492.8
3516.5
3525.3
3533.2
3553.0
3596.4
3662.4
3733.5
3820.3
3923.8
4000.8
4086.6
4229.6
4423.0
4713.9
4893.5
4998.0
5307.7
5766.4
6451.9
7391.0
8594.4
10147.9
12064.5
14335.1
16825.8
19779.0
21456.8
18067.6
7765.8
1763.7
736.8
696.4
419.2
0.0

OF REPORT)