

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: P847994

Luminaire Tested: **GLAN-SB4B-835-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P847994
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-SB4B-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18485 lumens
Efficiency: N/A
Efficacy: 125.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

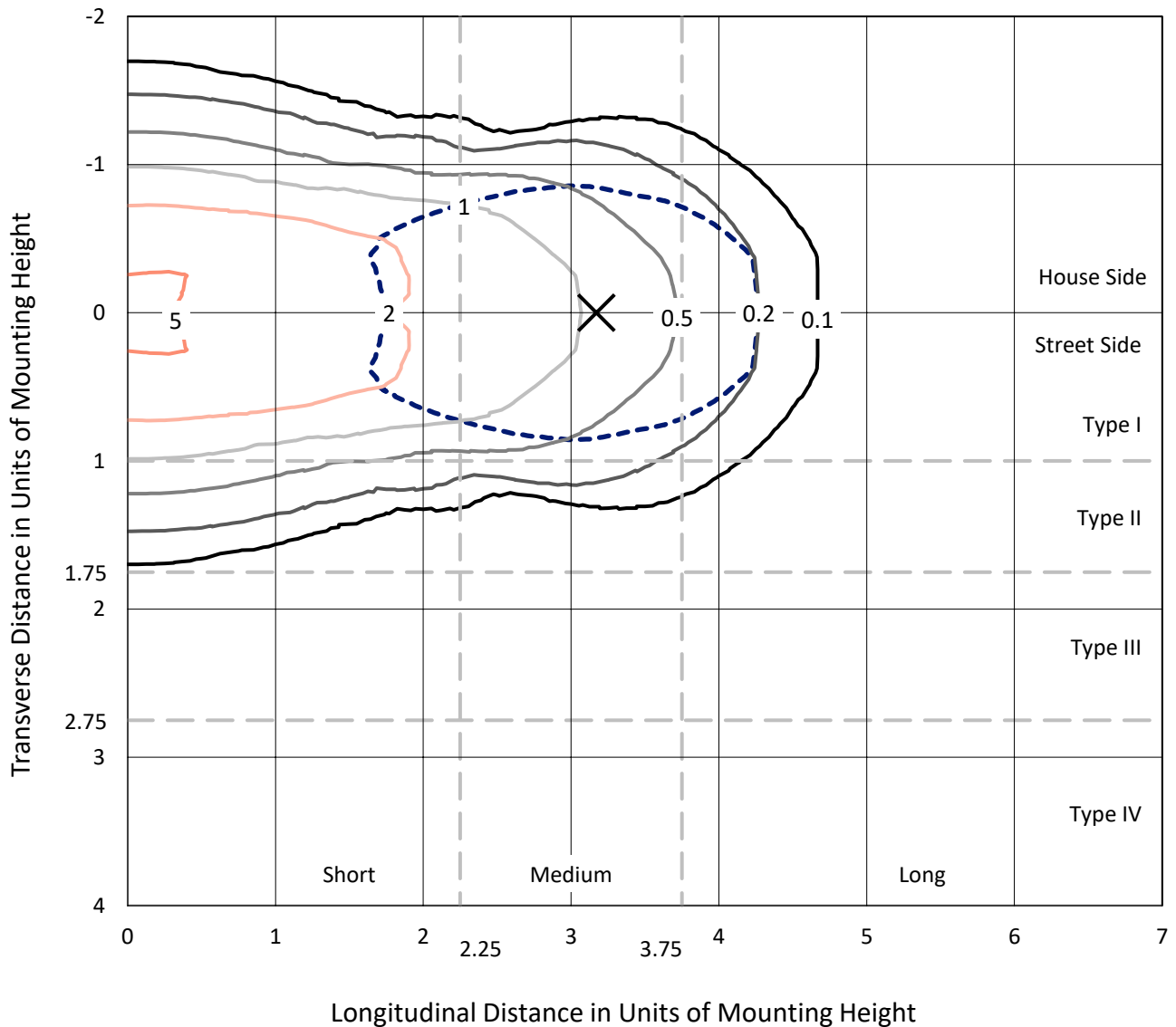
Input Watts (W): 147
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P847994
 CATALOG NUMBER: GLAN-SB4B-835-U-T1

Iso-Footcandle Lines of Horizontal Illumination

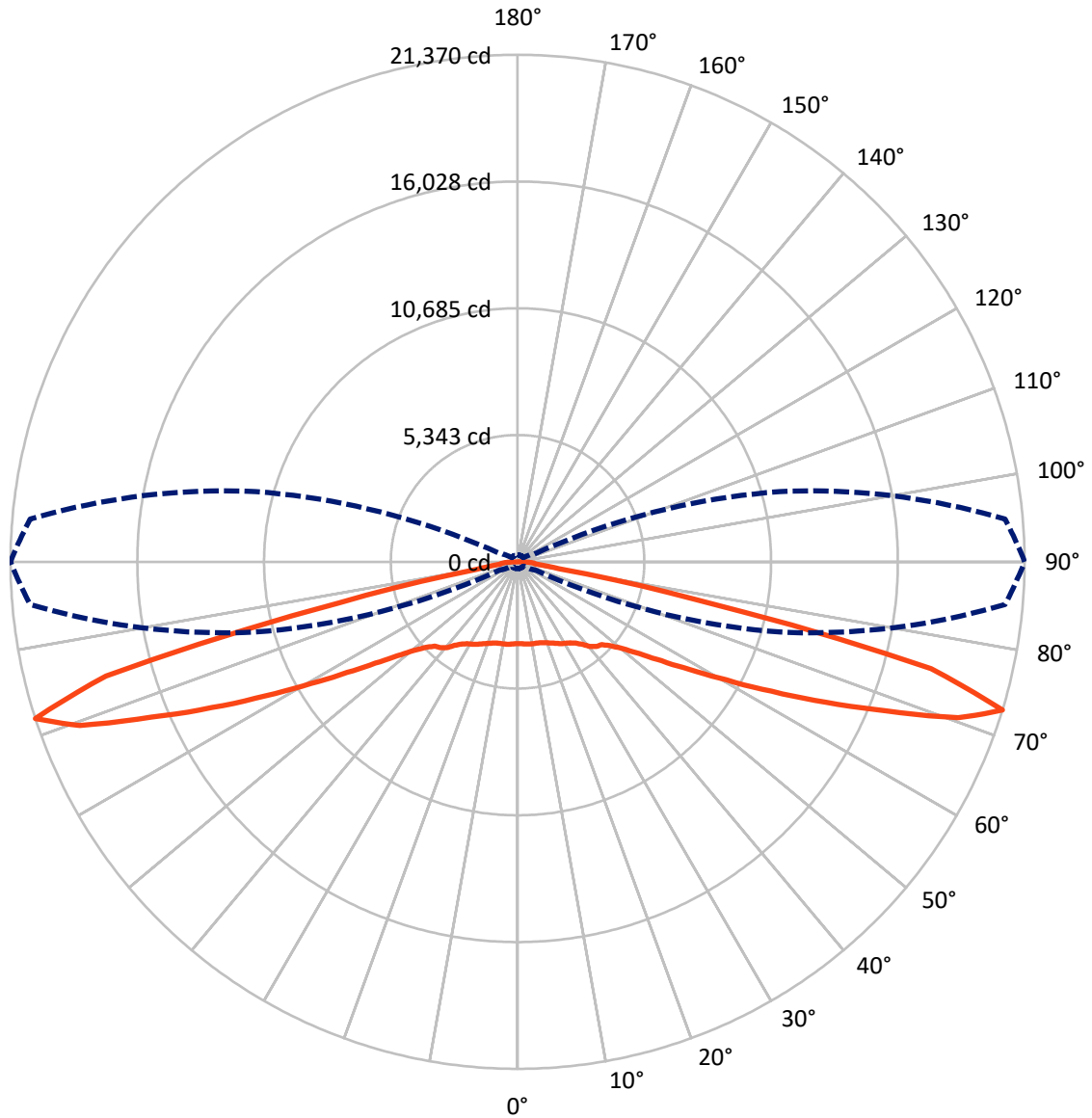
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P847994
CATALOG NUMBER: GLAN-SB4B-835-U-T1

Luminous Intensity Polar Plot



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

REPORT NUMBER: P847994
 CATALOG NUMBER: GLAN-SB4B-835-U-T1

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9242.5	0.0	9242.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9242.5	0.0	9242.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18485.0	0.0	18485.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.9	1.8
10°-20°	1024.0	5.5
20°-30°	1707.5	9.2
30°-40°	2348.4	12.7
40°-50°	2868.0	15.5
50°-60°	3317.1	17.9
60°-70°	3955.1	21.4
70°-80°	2760.4	14.9
80°-90°	169.6	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°	18485.0	100.0
0°-180°	18485.0	100.0

Coefficient of Utilization



REPORT NUMBER: P847994

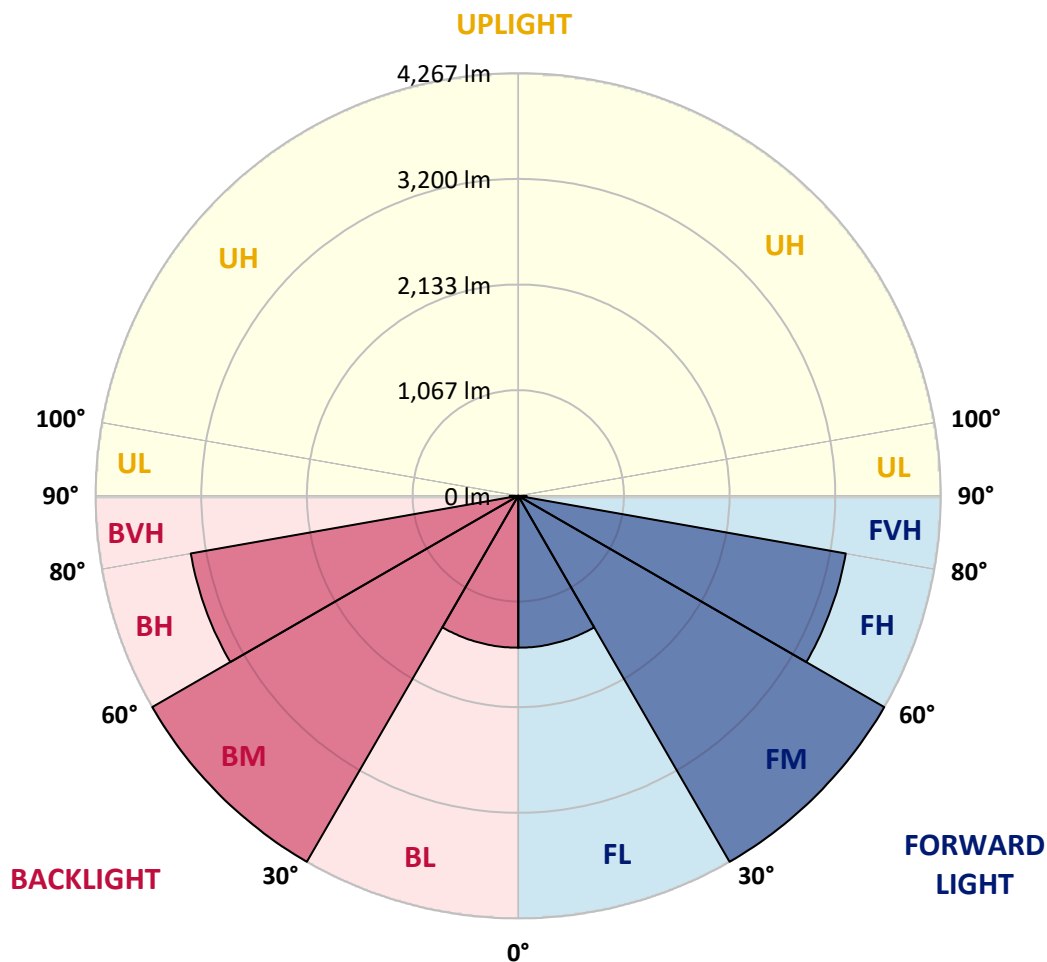
CATALOG NUMBER: GLAN-SB4B-835-U-T1

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1533.2	8.3			
FM (30°-60°)	4266.7	23.1			
FH (60°-80°)	3357.8	18.2			G2/5000
FVH (80°-90°)	84.8	0.5			G1/100
BL (0°-30°)	1533.2	8.3	B3/2500		
BM (30°-60°)	4266.7	23.1	B3/5000		
BH (60°-80°)	3357.8	18.2	B4/5000		G4/5000
BVH (80°-90°)	84.8	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: P847994
 CATALOG NUMBER: GLAN-SB4B-835-U-T1

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3454.1	3454.1	3454.1	3454.1	3454.1	3454.1	3454.1	3454.1	3454.1	3454.1
2.5°	3457.1	3461.0	3461.0	3458.0	3464.9	3459.0	3459.0	3456.1	3459.0	3456.1
5°	3474.7	3479.7	3481.6	3480.6	3489.5	3484.6	3484.6	3480.6	3481.6	3478.7
7.5°	3508.1	3515.0	3519.0	3523.9	3536.6	3530.7	3526.8	3515.0	3510.1	3502.3
10°	3519.0	3526.8	3539.6	3565.1	3594.6	3595.6	3583.8	3554.3	3531.7	3514.0
12.5°	3485.6	3496.4	3522.9	3575.0	3640.8	3667.3	3648.6	3599.5	3555.3	3523.9
15°	3443.3	3455.1	3495.4	3574.0	3671.2	3733.1	3731.2	3666.3	3595.6	3546.5
17.5°	3377.5	3389.3	3447.2	3557.3	3694.8	3797.0	3824.5	3757.7	3658.5	3592.6
20°	3258.6	3269.4	3350.0	3504.2	3702.7	3864.8	3936.5	3877.5	3753.7	3664.4
22.5°	3104.4	3121.1	3215.4	3412.9	3684.0	3935.5	4064.2	4023.9	3864.8	3741.0
25°	2939.3	2957.0	3067.1	3300.9	3635.9	3986.6	4215.5	4189.9	3990.5	3836.3
27.5°	2796.9	2815.6	2935.4	3189.9	3561.2	4006.2	4364.8	4377.6	4142.8	3941.4
30°	2684.9	2702.6	2830.3	3100.5	3464.9	3986.6	4495.5	4583.9	4298.0	4032.8
32.5°	2562.1	2584.7	2719.3	2991.4	3351.0	3939.4	4609.4	4806.9	4477.8	4131.0
35°	2406.9	2427.5	2569.0	2842.1	3201.6	3863.8	4704.7	5054.4	4735.2	4280.3
37.5°	2218.3	2237.9	2378.4	2655.4	3053.3	3757.7	4777.4	5333.4	5041.7	4495.5
40°	2028.7	2047.3	2179.0	2447.2	2875.5	3622.1	4803.0	5606.6	5393.4	4791.2
42.5°	1854.8	1871.5	1992.3	2241.8	2676.1	3449.2	4769.6	5844.3	5708.7	4997.5
45°	1694.6	1709.4	1816.5	2049.3	2468.8	3239.0	4669.3	6099.7	6084.0	5144.8
47.5°	1511.9	1526.6	1637.7	1862.6	2261.5	2992.4	4499.4	6351.2	6605.7	5478.8
50°	1288.9	1301.7	1415.6	1647.5	2046.3	2730.1	4263.6	6548.7	7263.9	5984.8
52.5°	1024.6	1038.4	1149.4	1381.3	1790.9	2448.1	3953.2	6677.4	8024.2	6723.5
55°	762.3	772.2	868.4	1076.7	1474.6	2126.9	3564.1	6713.7	8886.8	7733.5
57.5°	553.1	559.0	620.9	776.1	1118.0	1725.1	3091.6	6619.4	9913.4	9028.3
60°	448.0	449.9	468.6	537.4	777.1	1271.2	2520.8	6295.2	11027.4	10697.4
62.5°	406.7	406.7	411.6	430.3	525.6	839.0	1830.2	5623.3	12222.0	12806.6
65°	378.2	378.2	380.2	389.0	414.6	534.4	1155.3	4528.9	13229.0	15277.3
67.5°	352.7	353.7	352.7	355.6	370.4	394.9	670.0	3128.0	13771.3	17837.4
70°	326.2	328.1	323.2	323.2	335.0	336.0	419.5	1715.3	13321.3	19983.0
72.5°	294.7	297.7	289.8	287.8	296.7	292.8	315.4	823.3	11437.1	20623.5
75°	267.2	271.1	253.5	248.5	248.5	245.6	256.4	422.4	7423.0	16823.6
77.5°	242.7	250.5	222.0	206.3	202.4	193.5	209.3	258.4	3246.8	7898.5
80°	200.4	211.2	182.7	164.1	157.2	147.4	165.0	180.8	965.7	1834.1
82.5°	149.3	154.2	129.7	116.9	111.0	104.1	123.8	125.7	314.4	649.4
85°	95.3	97.3	79.6	68.8	65.8	62.9	78.6	68.8	119.9	477.4
87.5°	33.4	38.3	30.5	27.5	29.5	24.6	36.3	20.6	33.4	337.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

3454.1
3456.1
3478.7
3502.3
3511.1
3519.0
3538.6
3581.8
3647.7
3718.4
3804.8
3908.0
3984.6
4070.1
4212.5
4405.1
4694.9
4873.7
4977.8
5286.3
5743.1
6425.9
7361.1
8559.6
10106.9
12015.7
14277.2
16757.8
19699.1
21370.1
17994.6
7734.4
1756.5
733.9
693.6
417.5
0.0

OF REPORT)