

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: P949664

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

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P949664
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB4B-835-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21555 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
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

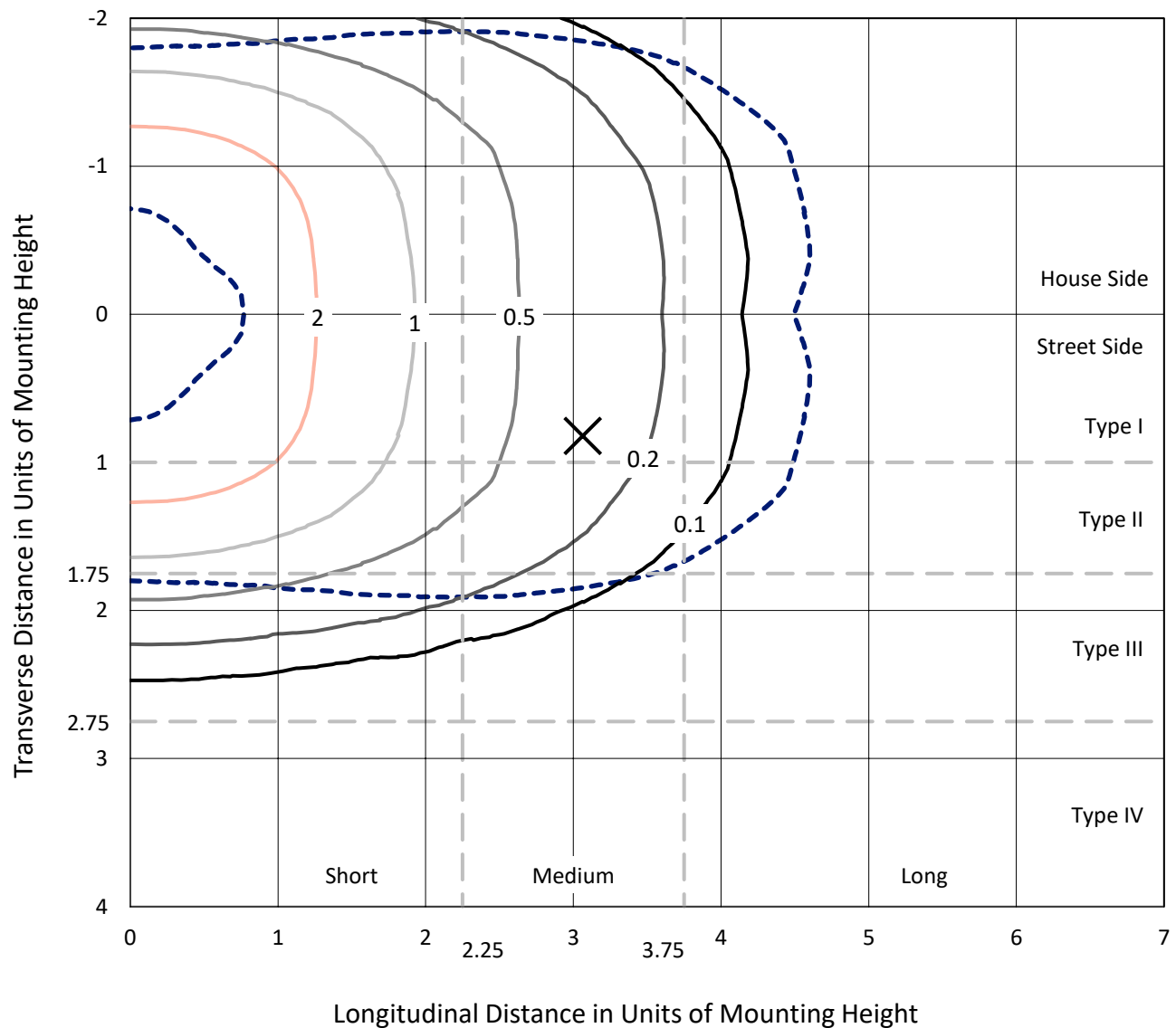


REPORT NUMBER: P949664

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

Iso-Footcandle Lines of Horizontal Illumination

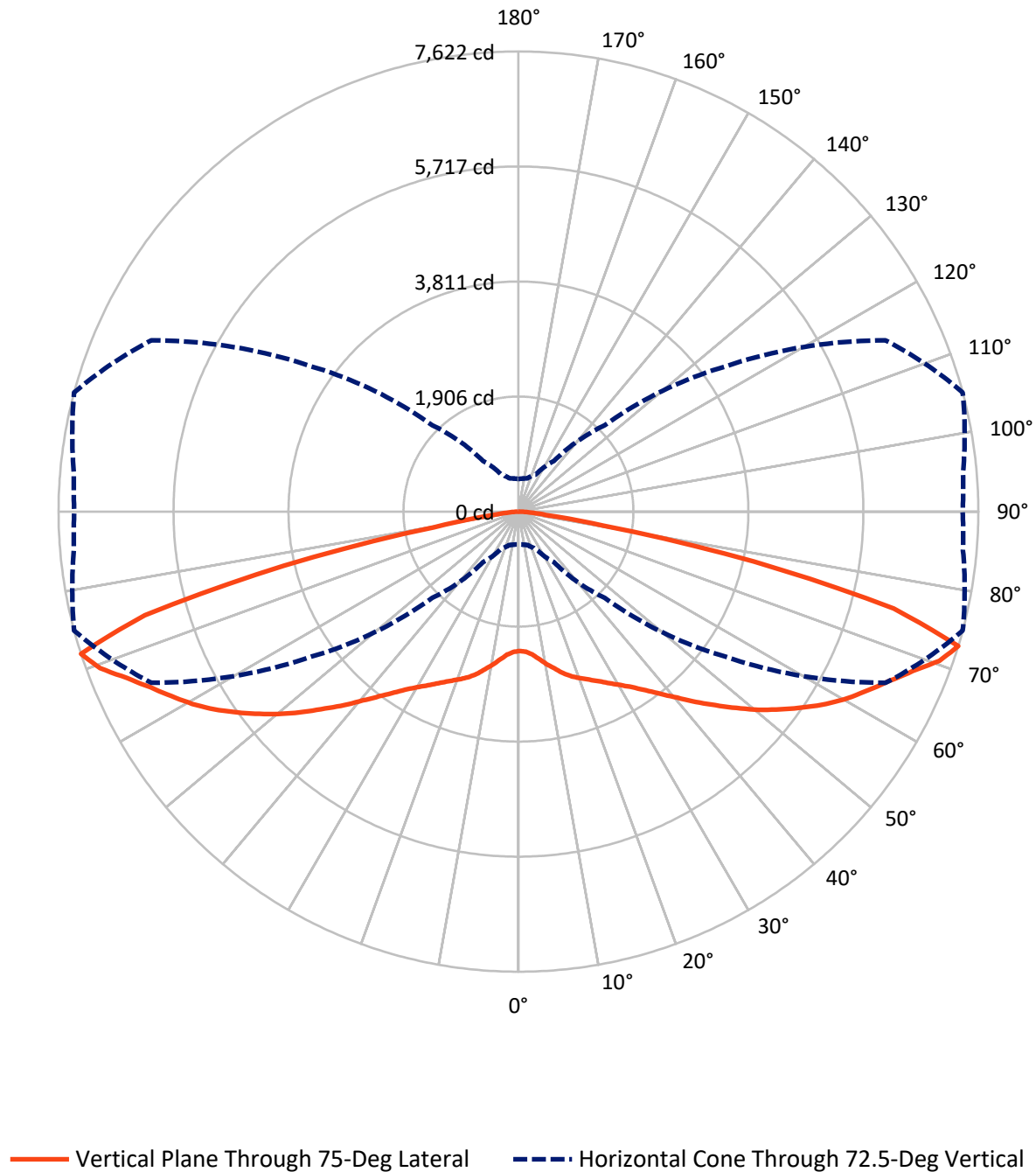
× Max cd
- - - 1/2 Max cd



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

REPORT NUMBER: P949664
CATALOG NUMBER: GLAN-SB4B-835-U-RW

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10777.5	0.0	10777.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	10777.5	0.0	10777.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	21555.0	0.0	21555.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	226.2	1.0
10°-20°	746.0	3.5
20°-30°	1441.5	6.7
30°-40°	2434.0	11.3
40°-50°	3860.0	17.9
50°-60°	5168.1	24.0
60°-70°	4918.4	22.8
70°-80°	2566.5	11.9
80°-90°	194.3	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°	21555.0	100.0
0°-180°	21555.0	100.0

Coefficient of Utilization



REPORT NUMBER: P949664

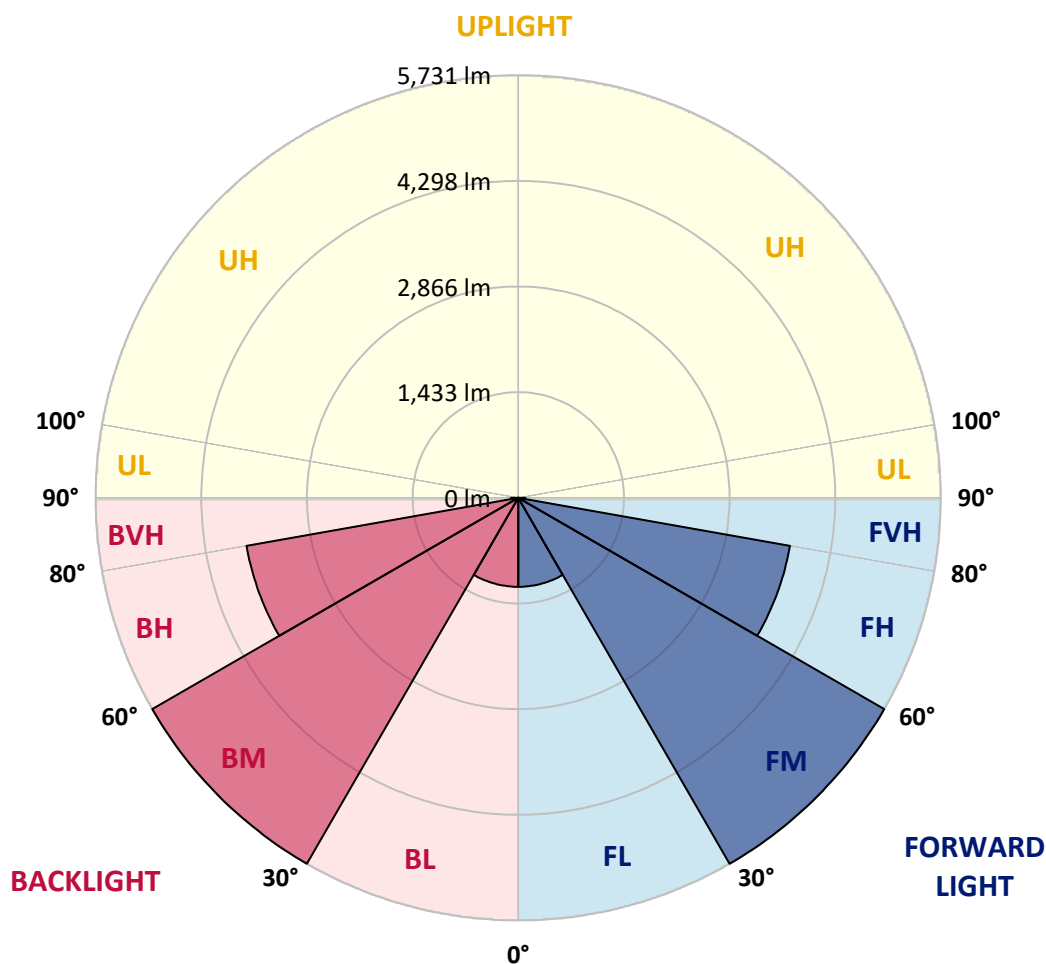
CATALOG NUMBER: GLAN-SB4B-835-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1206.8	5.6			
FM	(30°-60°)	5731.1	26.6			
FH	(60°-80°)	3742.5	17.4			G2/5000
FVH	(80°-90°)	97.1	0.5			G1/100
BL	(0°-30°)	1206.8	5.6	B3/2500		
BM	(30°-60°)	5731.1	26.6	B4/8500		
BH	(60°-80°)	3742.5	17.4	B4/5000		G4/5000
BVH	(80°-90°)	97.1	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 III Medium



REPORT NUMBER: P949664

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2308.9	2308.9	2308.9	2308.9	2308.9	2308.9	2308.9	2308.9	2308.9	2308.9
2.5°	2308.9	2306.7	2308.9	2311.1	2310.0	2310.0	2315.5	2318.8	2325.4	2324.3
5°	2293.5	2292.4	2301.2	2311.1	2318.8	2332.0	2348.5	2360.7	2376.1	2379.4
7.5°	2285.8	2282.5	2297.9	2315.5	2339.7	2372.8	2404.7	2437.7	2464.1	2472.9
10°	2291.3	2292.4	2313.3	2346.3	2384.9	2431.1	2476.2	2532.3	2569.8	2578.6
12.5°	2316.6	2314.4	2349.6	2402.5	2455.3	2513.6	2566.5	2628.1	2668.8	2689.7
15°	2362.9	2358.5	2408.0	2486.1	2563.2	2631.4	2674.3	2732.6	2780.0	2806.4
17.5°	2417.9	2420.1	2485.0	2586.3	2687.5	2764.5	2805.3	2835.0	2871.3	2894.4
20°	2514.7	2519.1	2591.8	2711.7	2827.3	2915.3	2948.3	2937.3	2947.2	2964.8
22.5°	2644.6	2646.8	2728.2	2858.1	2979.2	3076.0	3098.0	3052.9	3025.4	3037.5
25°	2795.4	2809.7	2891.1	3024.3	3148.6	3241.1	3251.0	3182.8	3114.5	3117.8
27.5°	2979.2	2992.4	3074.9	3207.0	3333.5	3413.9	3412.8	3321.4	3221.3	3196.0
30°	3178.4	3192.7	3277.4	3413.9	3531.6	3602.1	3586.6	3477.7	3334.6	3287.3
32.5°	3415.0	3423.8	3509.6	3646.1	3755.0	3811.2	3779.2	3645.0	3466.7	3412.8
35°	3701.1	3714.3	3778.1	3906.9	4002.7	4048.9	3994.9	3836.5	3636.2	3575.6
37.5°	4028.0	4019.2	4091.8	4206.3	4285.5	4314.1	4240.4	4052.2	3829.9	3758.3
40°	4369.1	4364.7	4444.0	4554.0	4596.9	4614.6	4505.6	4299.8	4053.3	3976.2
42.5°	4678.4	4675.1	4781.8	4904.0	4955.7	4935.9	4798.3	4562.8	4311.9	4223.9
45°	4926.0	4921.6	5052.6	5224.2	5325.5	5292.5	5107.6	4853.4	4573.8	4482.5
47.5°	5116.4	5118.6	5259.5	5471.9	5649.1	5661.2	5423.4	5149.4	4862.2	4758.7
50°	5254.0	5260.6	5411.3	5646.9	5889.0	5995.7	5745.9	5453.2	5160.4	5043.8
52.5°	5288.1	5300.2	5481.8	5758.0	6043.0	6246.6	6073.9	5744.8	5443.3	5332.1
55°	5106.5	5130.7	5360.7	5749.2	6137.7	6411.7	6362.2	6040.8	5728.3	5613.8
57.5°	4689.4	4723.5	4992.0	5499.4	6116.8	6525.1	6585.6	6324.8	6013.3	5903.3
60°	4105.0	4145.7	4403.2	4956.8	5821.8	6566.9	6743.0	6601.0	6275.3	6168.5
62.5°	3223.5	3276.3	3584.4	4233.8	5198.9	6372.1	6877.3	6850.8	6510.8	6377.6
65°	2067.9	2124.0	2448.7	3215.8	4368.0	5775.6	6919.1	7094.1	6759.5	6573.5
67.5°	1246.9	1272.2	1432.9	1949.1	3192.7	4876.5	6564.7	7363.7	7050.0	6818.9
70°	797.9	812.2	907.9	1144.6	1804.9	3558.0	5686.5	7414.3	7402.2	7070.9
72.5°	541.5	545.9	571.2	677.9	1021.3	2021.7	4194.1	6712.2	7622.3	7395.6
75°	396.2	420.4	461.1	479.8	580.0	1010.3	2403.6	4715.8	6423.8	6522.9
77.5°	294.9	296.0	352.2	374.2	413.8	538.2	1016.9	2632.5	3988.3	4187.5
80°	249.8	236.6	235.5	301.5	311.5	335.7	454.5	909.0	1428.5	866.1
82.5°	208.0	193.7	175.0	235.5	212.4	205.8	197.0	369.8	454.5	223.4
85°	145.3	138.7	132.1	154.1	121.1	103.5	94.6	172.8	191.5	94.6
87.5°	62.7	64.9	66.0	68.2	50.6	36.3	36.3	48.4	48.4	37.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
2308.9
2323.2
2379.4
2475.1
2587.4
2698.5
2816.3
2905.4
2978.1
3046.3
3123.3
3203.7
3292.8
3426.0
3584.4
3771.5
4001.6
4245.9
4503.4
4789.5
5079.0
5360.7
5645.8
5928.6
6191.6
6393.0
6596.6
6836.5
7068.7
7360.4
6283.0
3735.2
654.8
190.4
83.6
27.5
0.0

OF REPORT)