

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: P848674

Luminaire Tested: **GLAN-SB5B-835-U-T1**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P848674
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-SB5B-835-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 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: 23299 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B4 - U0 - G4

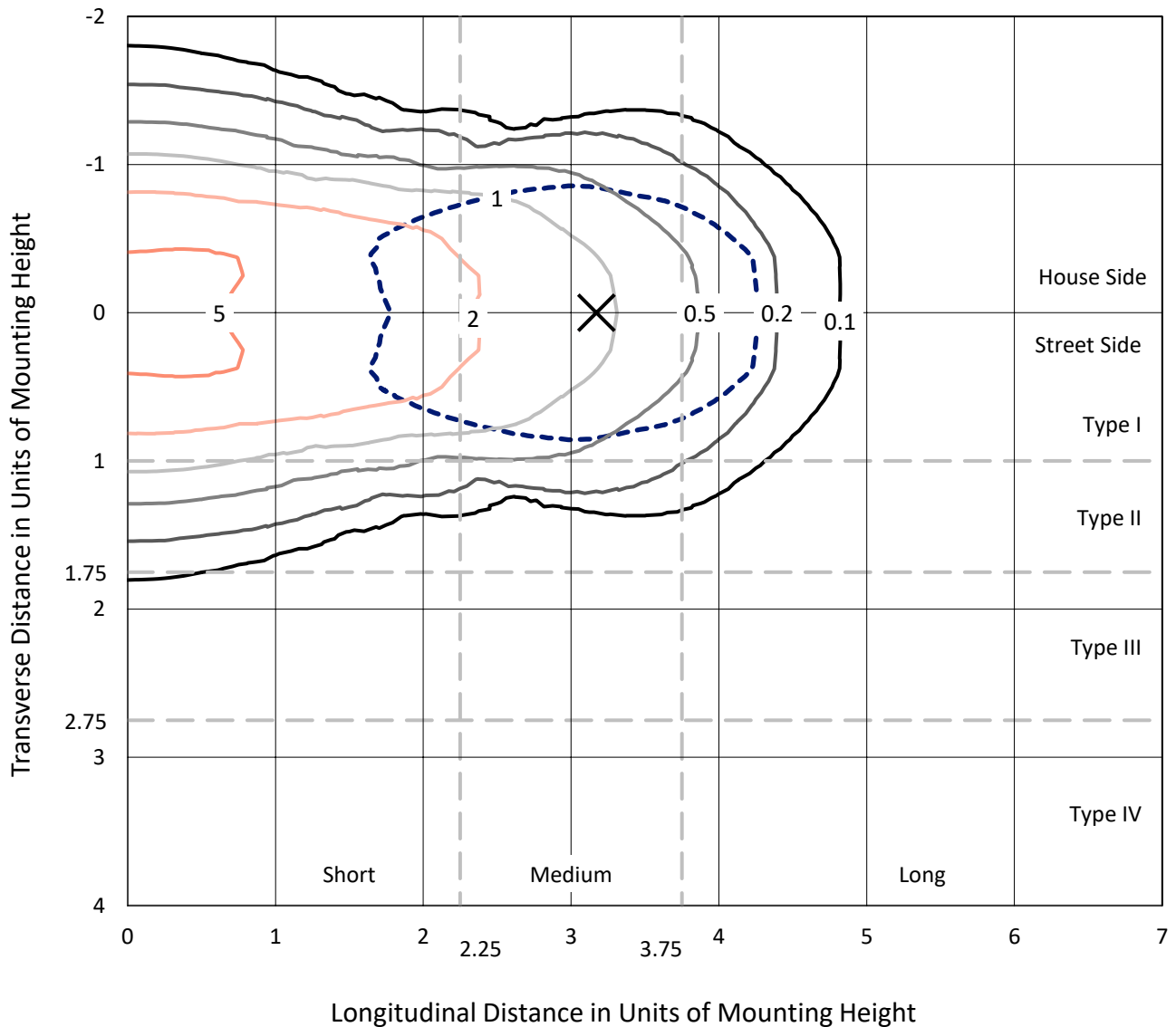
Input Watts (W): 182.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

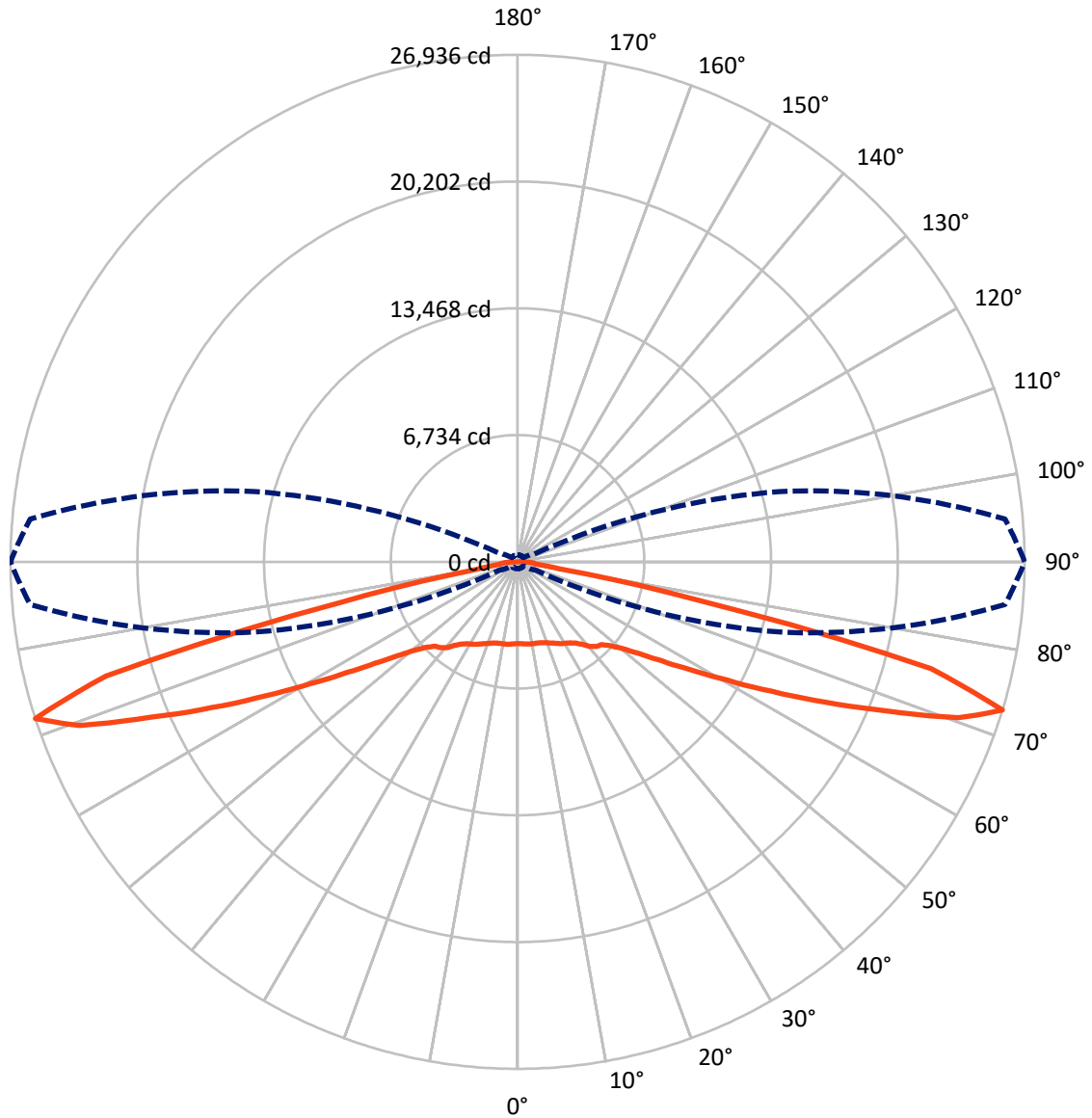
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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	11649.5	0.0	11649.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11649.5	0.0	11649.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	23299.0	0.0	23299.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	422.1	1.8
10°-20°	1290.7	5.5
20°-30°	2152.2	9.2
30°-40°	2959.9	12.7
40°-50°	3614.9	15.5
50°-60°	4181.0	17.9
60°-70°	4985.1	21.4
70°-80°	3479.3	14.9
80°-90°	213.7	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°	23299.0	100.0
0°-180°	23299.0	100.0

Coefficient of Utilization

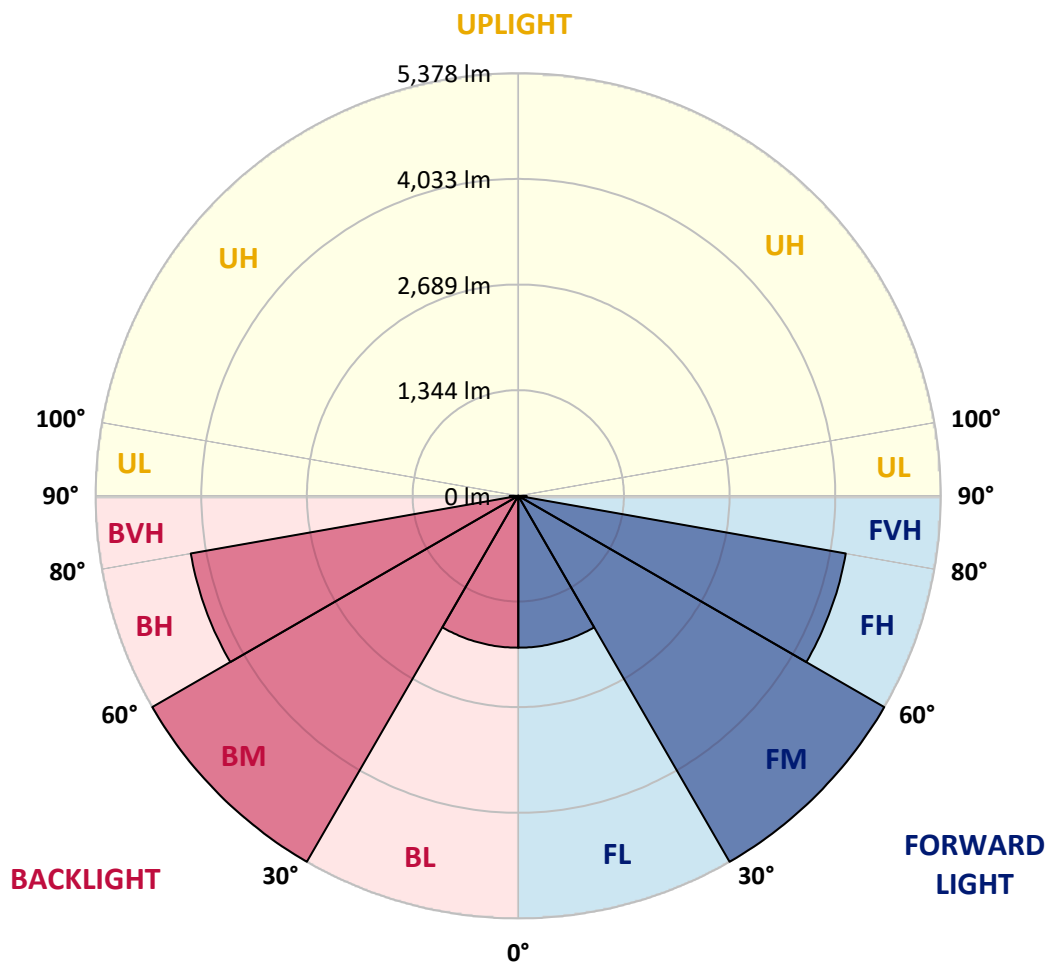


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1932.5	8.3			
FM (30°-60°)	5377.9	23.1			
FH (60°-80°)	4232.2	18.2			G2/5000
FVH (80°-90°)	106.9	0.5			G2/225
BL (0°-30°)	1932.5	8.3	B3/2500		
BM (30°-60°)	5377.9	23.1	B4/8500		
BH (60°-80°)	4232.2	18.2	B4/5000		G4/5000
BVH (80°-90°)	106.9	0.5			G2/225
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°	4353.7	4353.7	4353.7	4353.7	4353.7	4353.7	4353.7	4353.7	4353.7	4353.7
2.5°	4357.4	4362.3	4362.3	4358.6	4367.3	4359.9	4359.9	4356.1	4359.9	4356.1
5°	4379.7	4385.9	4388.3	4387.1	4398.2	4392.0	4392.0	4387.1	4388.3	4384.6
7.5°	4421.8	4430.4	4435.4	4441.6	4457.7	4450.2	4445.3	4430.4	4424.2	4414.3
10°	4435.4	4445.3	4461.4	4493.6	4530.7	4532.0	4517.1	4480.0	4451.5	4429.2
12.5°	4393.3	4406.9	4440.3	4506.0	4588.9	4622.4	4598.8	4536.9	4481.2	4441.6
15°	4340.0	4354.9	4405.7	4504.7	4627.3	4705.3	4702.8	4621.1	4532.0	4470.1
17.5°	4257.1	4271.9	4345.0	4483.7	4657.0	4785.8	4820.5	4736.3	4611.2	4528.3
20°	4107.3	4120.9	4222.4	4416.8	4666.9	4871.2	4961.6	4887.3	4731.3	4618.6
22.5°	3912.8	3933.9	4052.8	4301.7	4643.4	4960.4	5122.6	5071.8	4871.2	4715.2
25°	3704.8	3727.1	3865.8	4160.5	4582.7	5024.8	5313.3	5281.1	5029.7	4835.3
27.5°	3525.3	3548.8	3699.9	4020.6	4488.6	5049.6	5501.5	5517.6	5221.7	4967.8
30°	3384.1	3406.4	3567.4	3907.9	4367.3	5024.8	5666.2	5777.6	5417.3	5083.0
32.5°	3229.3	3257.8	3427.5	3770.5	4223.6	4965.4	5809.8	6058.7	5643.9	5206.8
35°	3033.7	3059.7	3238.0	3582.2	4035.4	4870.0	5929.9	6370.8	5968.3	5395.0
37.5°	2796.0	2820.7	2997.8	3347.0	3848.5	4736.3	6021.6	6722.4	6354.7	5666.2
40°	2557.0	2580.5	2746.4	3084.5	3624.3	4565.4	6053.8	7066.7	6798.0	6038.9
42.5°	2337.8	2358.9	2511.2	2825.7	3373.0	4347.5	6011.7	7366.3	7195.4	6298.9
45°	2136.0	2154.5	2289.5	2583.0	3111.7	4082.5	5885.4	7688.3	7668.4	6484.7
47.5°	1905.7	1924.2	2064.2	2347.7	2850.4	3771.7	5671.2	8005.2	8325.9	6905.7
50°	1624.6	1640.7	1784.3	2076.5	2579.3	3441.1	5374.0	8254.1	9155.6	7543.4
52.5°	1291.5	1308.8	1448.7	1741.0	2257.3	3085.7	4982.7	8416.3	10114.0	8474.5
55°	960.9	973.3	1094.6	1357.1	1858.6	2680.8	4492.3	8462.2	11201.2	9747.5
57.5°	697.1	704.6	782.6	978.2	1409.1	2174.4	3896.8	8343.3	12495.1	11379.5
60°	564.6	567.1	590.6	677.3	979.5	1602.3	3177.3	7934.7	13899.3	13483.2
62.5°	512.6	512.6	518.8	542.4	662.5	1057.5	2306.8	7087.7	15405.0	16141.7
65°	476.7	476.7	479.2	490.3	522.5	673.6	1456.2	5708.3	16674.2	19255.9
67.5°	444.5	445.8	444.5	448.2	466.8	497.8	844.5	3942.6	17357.7	22482.8
70°	411.1	413.6	407.4	407.4	422.2	423.5	528.7	2162.0	16790.6	25187.1
72.5°	371.5	375.2	365.3	362.8	373.9	369.0	397.5	1037.6	14415.6	25994.4
75°	336.8	341.8	319.5	313.3	313.3	309.6	323.2	532.4	9356.2	21204.9
77.5°	305.8	315.8	279.8	260.0	255.1	243.9	263.7	325.7	4092.4	9955.5
80°	252.6	266.2	230.3	206.8	198.1	185.7	208.0	227.8	1217.2	2311.8
82.5°	188.2	194.4	163.4	147.4	139.9	131.3	156.0	158.5	396.2	818.5
85°	120.1	122.6	100.3	86.7	83.0	79.2	99.1	86.7	151.1	601.8
87.5°	42.1	48.3	38.4	34.7	37.1	31.0	45.8	26.0	42.1	424.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

4353.7
4356.1
4384.6
4414.3
4425.5
4435.4
4460.2
4514.6
4597.6
4686.8
4795.7
4925.7
5022.3
5130.0
5309.6
5552.3
5917.6
6142.9
6274.2
6663.0
7238.8
8099.4
9278.2
10788.8
12739.0
15145.0
17995.4
21122.0
24829.3
26935.5
22680.9
9748.7
2214.0
925.0
874.2
526.3
0.0

OF REPORT)