

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: P850731

Luminaire Tested: **GLAN-SB8B-850-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850731
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/26/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SB8B-850-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39547 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

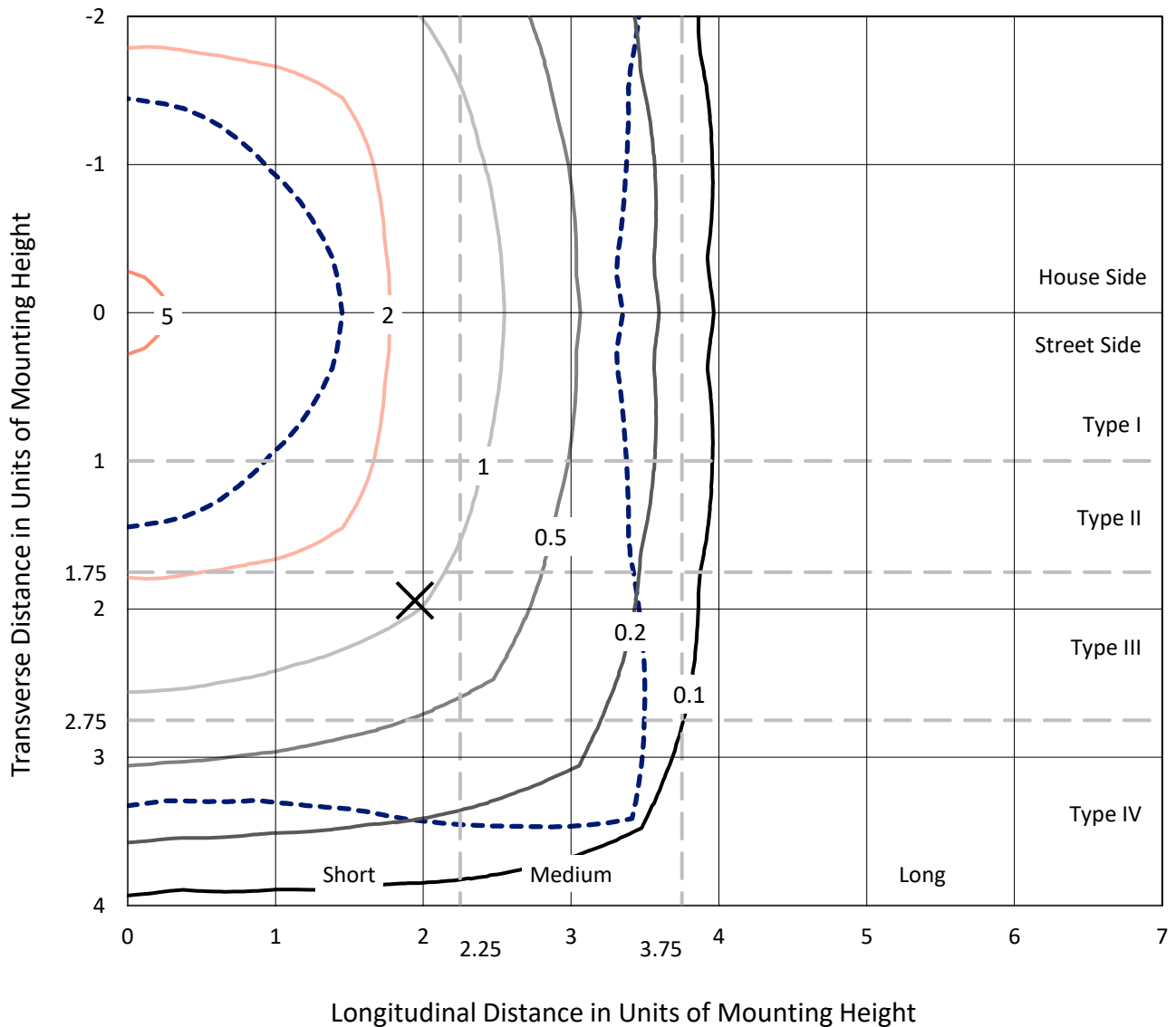
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

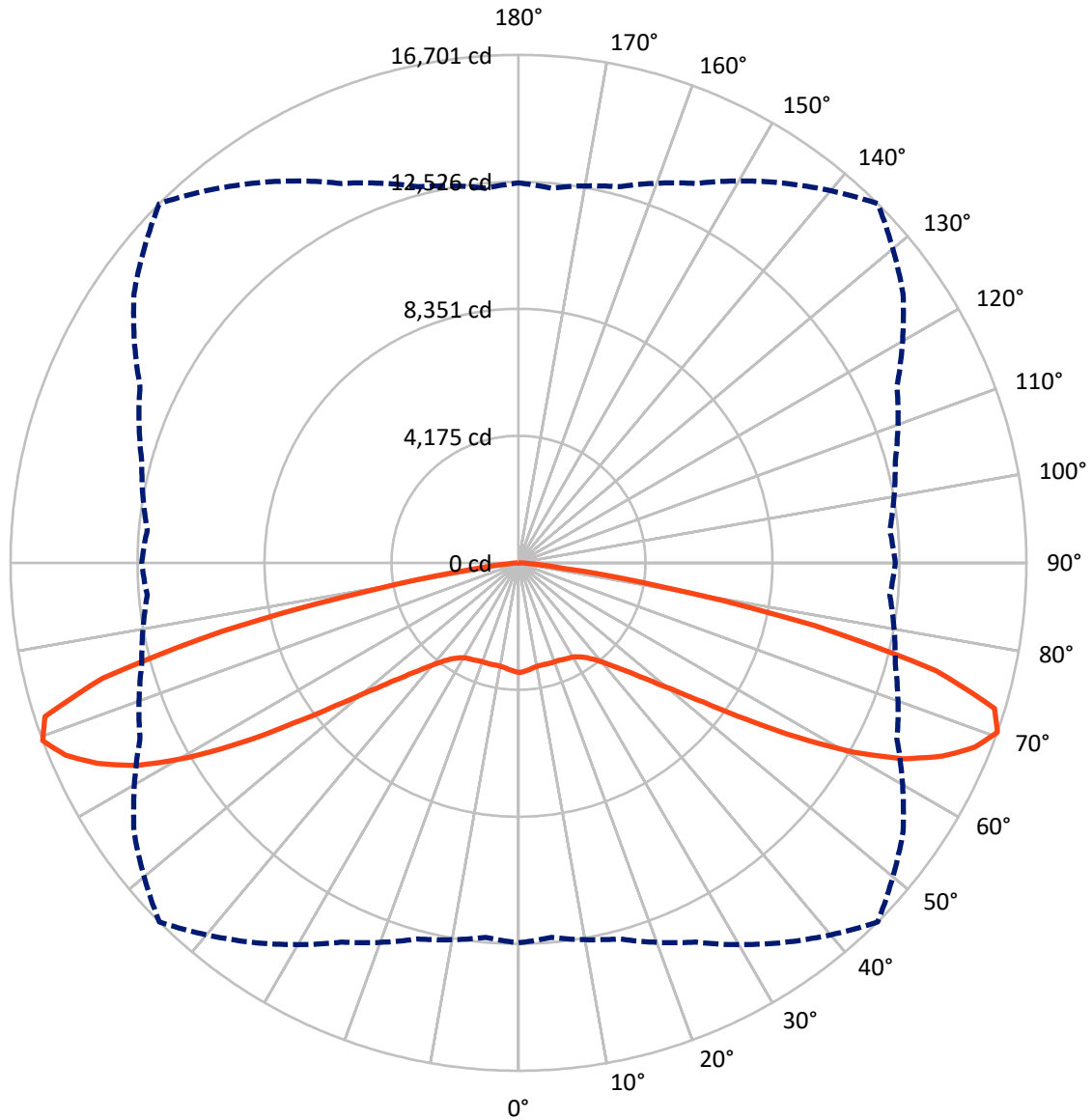
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19773.5	0.0	19773.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19773.5	0.0	19773.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39547.0	0.0	39547.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	335.6	0.8
10°-20°	985.3	2.5
20°-30°	1639.8	4.1
30°-40°	2479.8	6.3
40°-50°	4120.9	10.4
50°-60°	7775.9	19.7
60°-70°	13130.0	33.2
70°-80°	8627.7	21.8
80°-90°	452.0	1.1
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°	39547.0	100.0
0°-180°	39547.0	100.0

Coefficient of Utilization



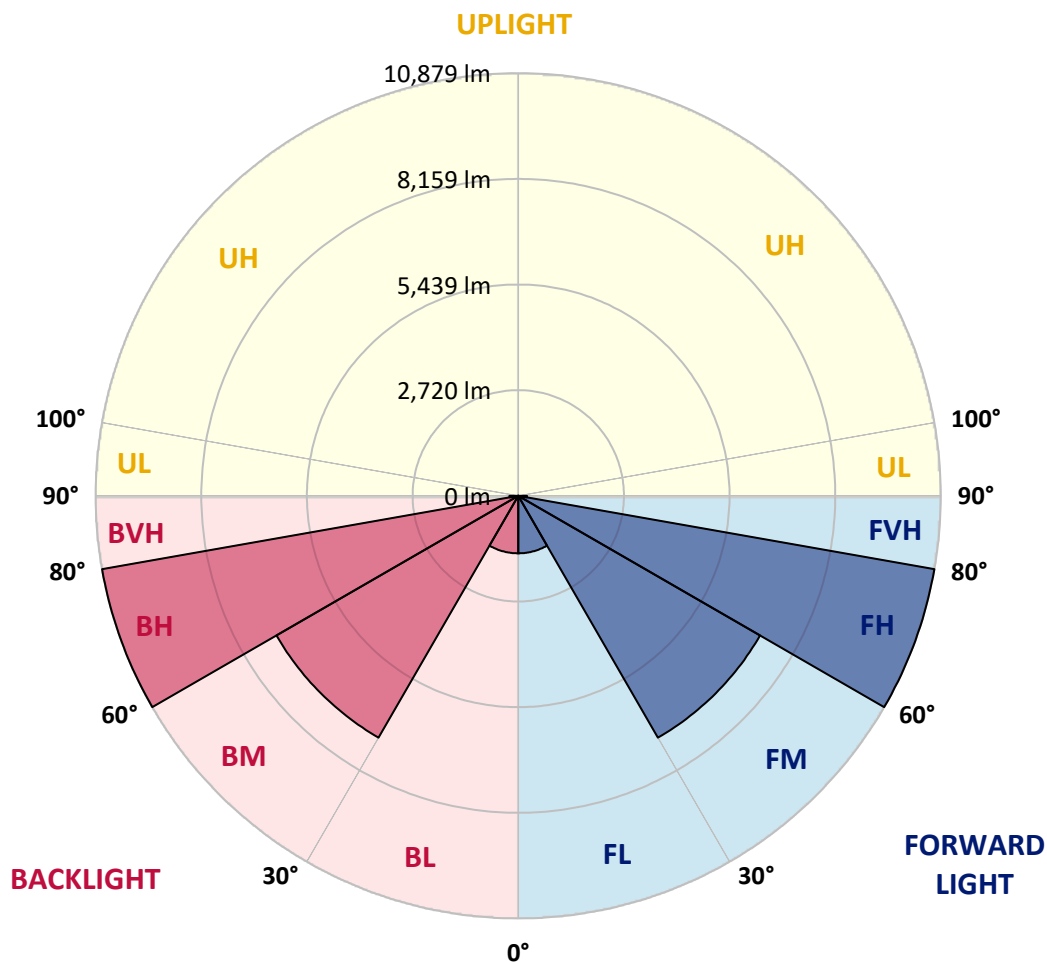
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1480.3	3.7			
FM (30°-60°)	7188.3	18.2			
FH (60°-80°)	10878.8	27.5			G4/12000
FVH (80°-90°)	226.0	0.6			G3/500
BL (0°-30°)	1480.3	3.7	B3/2500		
BM (30°-60°)	7188.3	18.2	B4/8500		
BH (60°-80°)	10878.8	27.5	B5		G4/12000
BVH (80°-90°)	226.0	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	3607.5	3607.5	3607.5	3607.5	3607.5	3607.5	3607.5	3607.5	3607.5	3607.5
2.5°	3584.9	3595.1	3591.0	3582.8	3582.8	3576.6	3582.8	3586.9	3593.1	3597.2
5°	3537.6	3545.8	3543.8	3537.6	3539.6	3533.5	3537.6	3543.8	3547.9	3549.9
7.5°	3496.5	3504.7	3500.6	3490.3	3490.3	3484.1	3486.2	3492.4	3498.5	3500.6
10°	3486.2	3494.4	3482.1	3465.6	3459.5	3451.3	3453.3	3459.5	3471.8	3478.0
12.5°	3490.3	3496.5	3484.1	3459.5	3453.3	3445.1	3445.1	3451.3	3467.7	3475.9
15°	3502.6	3508.8	3490.3	3463.6	3457.4	3451.3	3449.2	3457.4	3475.9	3490.3
17.5°	3525.3	3531.4	3502.6	3465.6	3457.4	3459.5	3457.4	3463.6	3492.4	3519.1
20°	3545.8	3549.9	3510.9	3465.6	3457.4	3459.5	3457.4	3469.8	3506.8	3543.8
22.5°	3552.0	3556.1	3519.1	3480.0	3473.9	3475.9	3473.9	3486.2	3521.1	3558.1
25°	3554.0	3560.2	3531.4	3500.6	3510.9	3515.0	3510.9	3512.9	3539.6	3572.5
27.5°	3584.9	3593.1	3566.4	3539.6	3545.8	3543.8	3549.9	3556.1	3576.6	3609.5
30°	3648.6	3654.8	3632.1	3605.4	3601.3	3586.9	3605.4	3626.0	3648.6	3677.4
32.5°	3753.4	3765.8	3737.0	3708.2	3689.7	3681.5	3695.9	3730.8	3761.6	3792.5
35°	3928.1	3936.4	3909.6	3856.2	3823.3	3823.3	3835.6	3880.9	3930.2	3969.3
37.5°	4174.8	4185.1	4137.8	4074.1	4024.8	4024.8	4041.2	4088.5	4162.5	4218.0
40°	4474.9	4489.3	4429.7	4363.9	4316.6	4308.4	4329.0	4382.4	4452.3	4522.2
42.5°	4836.7	4853.1	4775.0	4717.5	4680.5	4680.5	4690.8	4740.1	4803.8	4890.1
45°	5299.2	5328.0	5221.1	5163.5	5128.6	5136.8	5143.0	5186.1	5243.7	5342.4
47.5°	5850.1	5878.9	5765.8	5706.2	5700.0	5739.1	5714.4	5745.3	5776.1	5889.1
50°	6475.0	6524.3	6446.2	6442.1	6454.4	6526.4	6468.8	6485.2	6450.3	6522.2
52.5°	7239.6	7311.6	7297.2	7321.9	7459.6	7607.6	7476.0	7418.5	7286.9	7309.5
55°	8166.7	8275.6	8296.2	8444.2	8756.6	9058.8	8779.2	8547.0	8267.4	8216.0
57.5°	9221.2	9307.5	9406.2	9708.3	10292.1	10828.6	10292.1	9778.2	9338.3	9233.5
60°	10355.8	10462.7	10557.3	11003.3	11870.8	12625.2	11854.3	11038.3	10456.6	10314.7
62.5°	11574.8	11712.5	11778.3	12273.7	13285.0	14185.3	13299.4	12310.7	11665.2	11513.1
65°	12744.4	12857.4	12931.4	13459.7	14425.8	15328.2	14491.6	13517.3	12853.3	12653.9
67.5°	13289.1	13350.8	13531.7	14129.8	15149.4	16179.2	15322.0	14193.5	13451.5	13102.0
70°	12491.6	12366.2	12801.9	13759.8	15235.7	16701.3	15433.0	13731.0	12822.5	12255.2
72.5°	9652.8	9437.0	10193.5	11831.7	14249.0	16368.3	14347.7	11924.2	10664.2	9513.1
75°	5251.9	5007.3	6051.5	8123.5	11363.1	14187.4	11624.1	8355.8	6738.1	5212.9
77.5°	1482.0	1389.5	2232.3	3930.2	6834.7	9961.2	7097.8	4016.5	2647.5	1570.4
80°	454.3	439.9	596.1	1184.0	2902.4	4770.9	2789.4	1198.4	758.5	478.9
82.5°	269.3	246.7	296.0	431.7	740.0	1498.5	719.4	450.2	361.8	242.6
85°	154.2	143.9	174.7	209.7	248.7	318.6	207.6	213.8	193.2	129.5
87.5°	63.7	57.6	67.8	65.8	57.6	74.0	55.5	65.8	78.1	51.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3607.5
3595.1
3549.9
3500.6
3478.0
3478.0
3492.4
3519.1
3545.8
3558.1
3570.5
3601.3
3671.2
3780.1
3954.9
4197.4
4499.6
4884.0
5338.3
5856.2
6479.1
7233.5
8135.8
9159.5
10191.4
11389.8
12555.3
13106.2
12390.8
9798.8
5552.0
1745.2
505.7
263.1
135.7
47.3
0.0

OF REPORT)