

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: P850711

Luminaire Tested: **GLAN-SB8B-835-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850711
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-835-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 80 CRI, 3500K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38135 lumens
Efficiency: N/A
Efficacy: 130.2 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

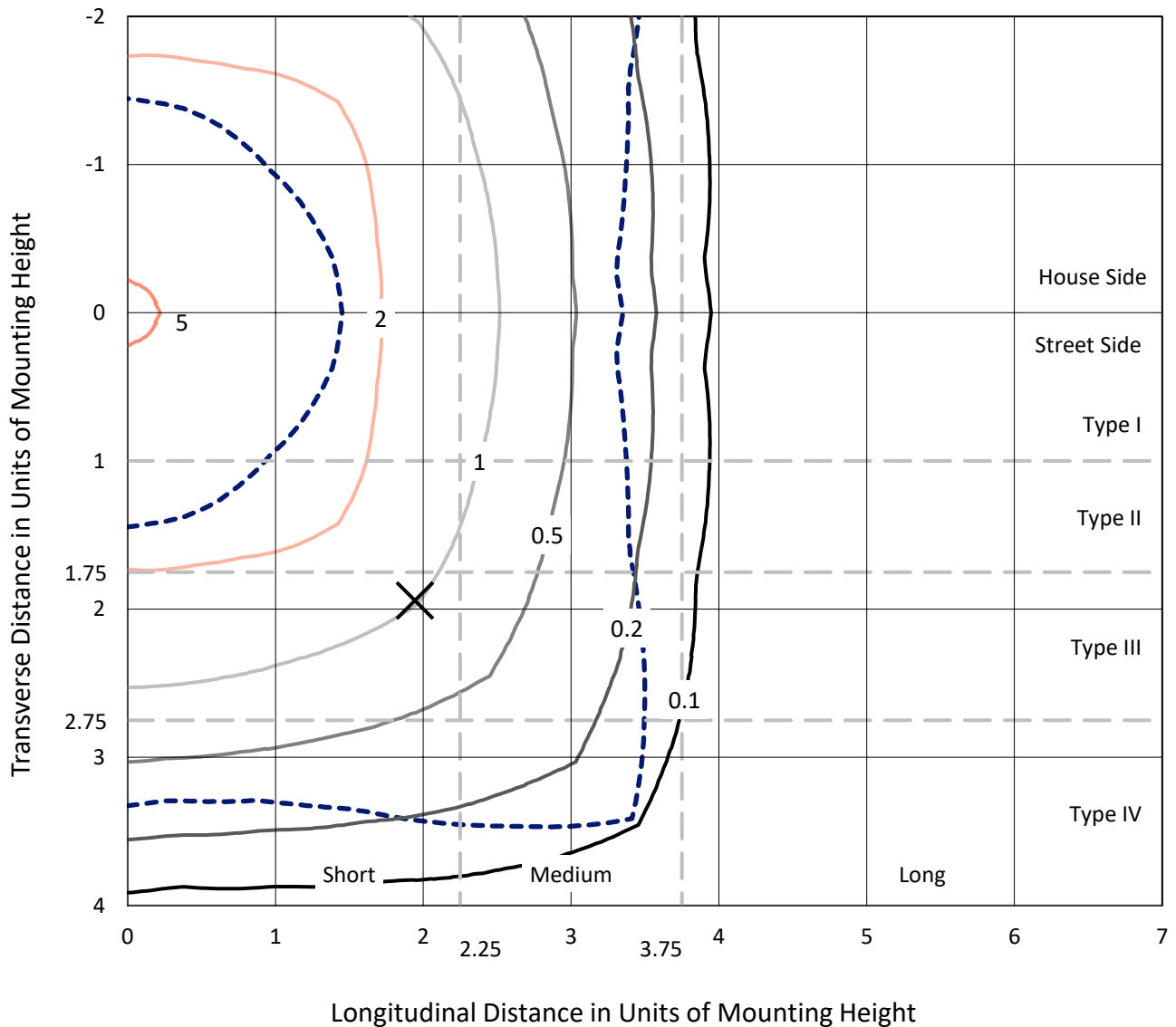
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

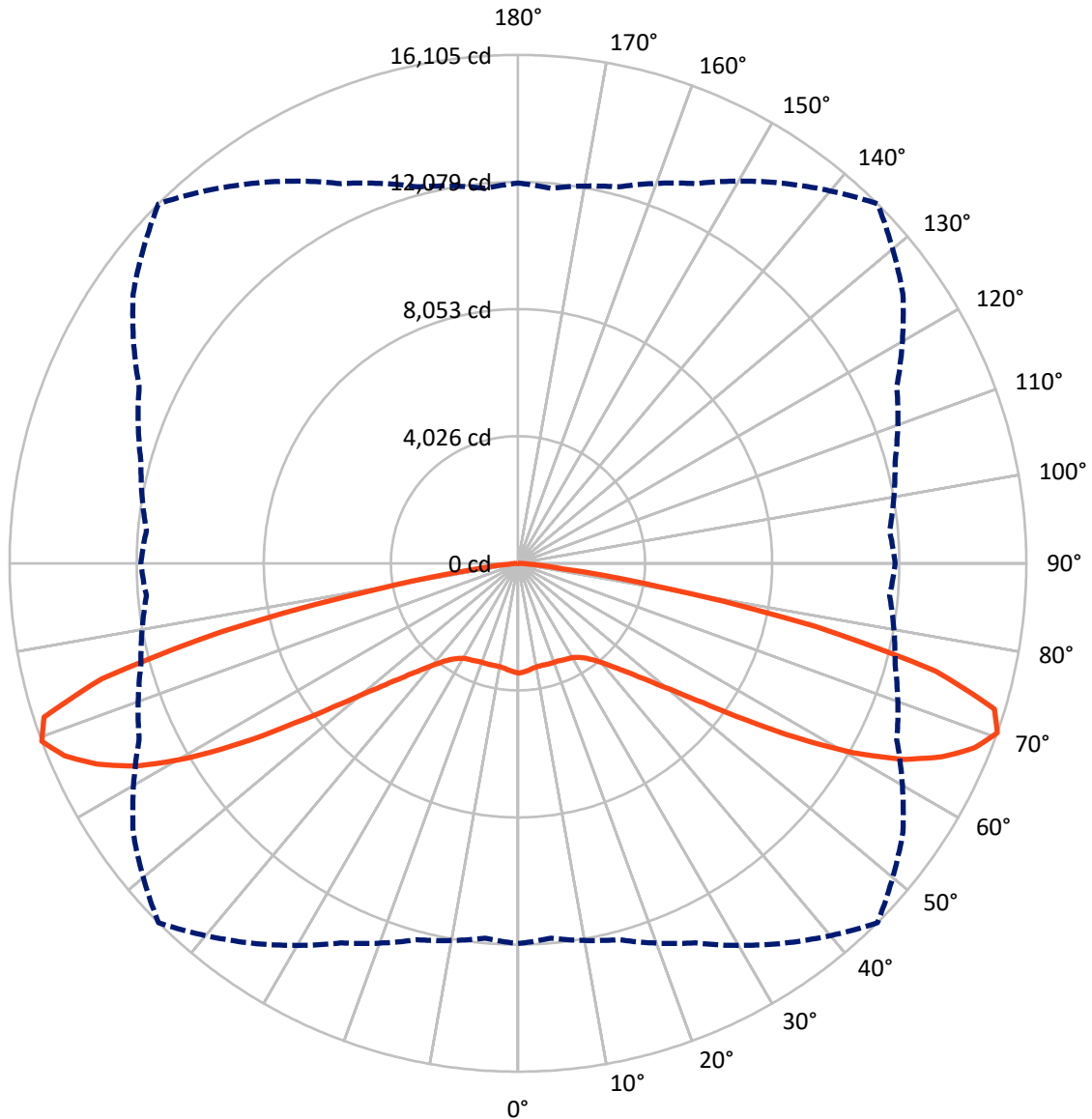
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.6 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	19067.5	0.0	19067.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19067.5	0.0	19067.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	38135.0	0.0	38135.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	323.6	0.8
10°-20°	950.2	2.5
20°-30°	1581.2	4.1
30°-40°	2391.3	6.3
40°-50°	3973.7	10.4
50°-60°	7498.3	19.7
60°-70°	12661.2	33.2
70°-80°	8319.7	21.8
80°-90°	435.9	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°	38135.0	100.0
0°-180°	38135.0	100.0

Coefficient of Utilization



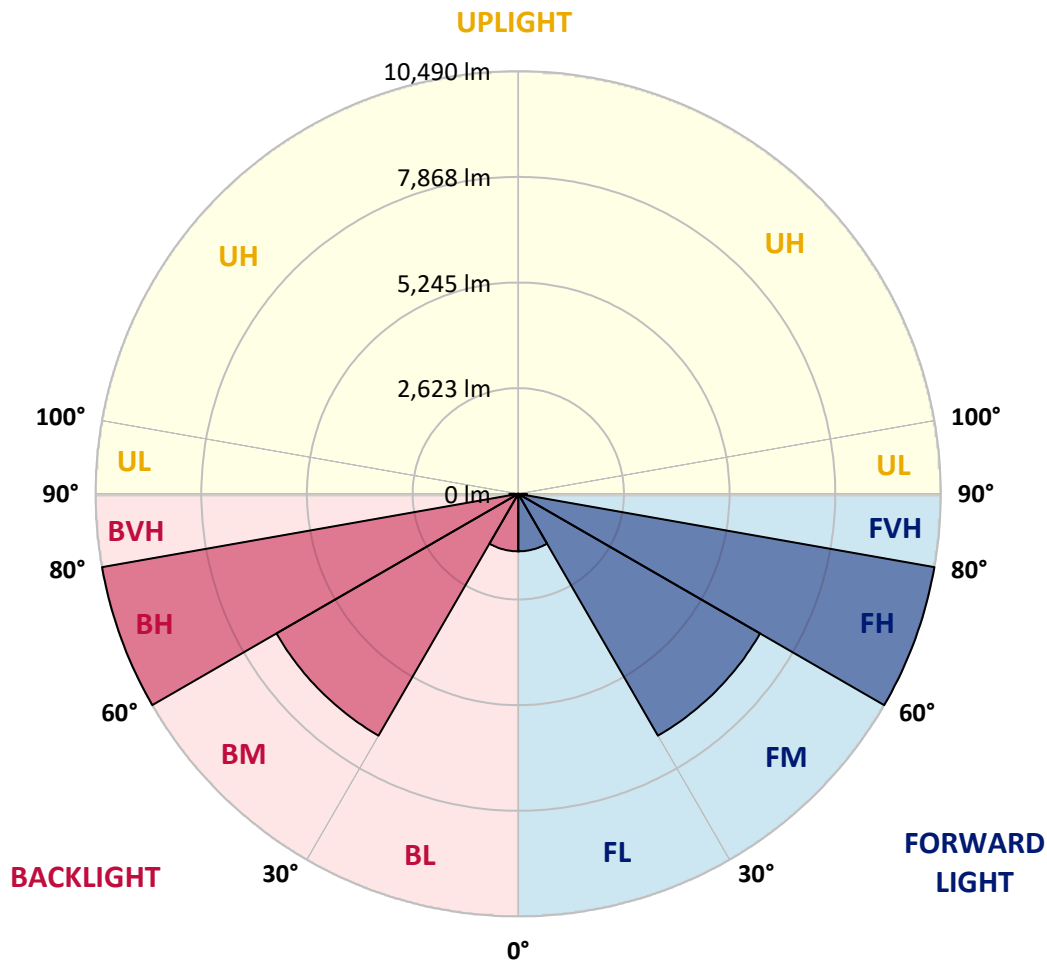
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1427.5	3.7			
FM (30°-60°)	6931.6	18.2			
FH (60°-80°)	10490.4	27.5			G4/12000
FVH (80°-90°)	217.9	0.6			G2/225
BL (0°-30°)	1427.5	3.7	B3/2500		
BM (30°-60°)	6931.6	18.2	B4/8500		
BH (60°-80°)	10490.4	27.5	B5		G4/12000
BVH (80°-90°)	217.9	0.6			G2/225
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°	3478.7	3478.7	3478.7	3478.7	3478.7	3478.7	3478.7	3478.7	3478.7	3478.7
2.5°	3456.9	3466.8	3462.8	3454.9	3454.9	3448.9	3454.9	3458.9	3464.8	3468.8
5°	3411.3	3419.2	3417.2	3411.3	3413.3	3407.3	3411.3	3417.2	3421.2	3423.2
7.5°	3371.6	3379.6	3375.6	3365.7	3365.7	3359.8	3361.7	3367.7	3373.6	3375.6
10°	3361.7	3369.7	3357.8	3341.9	3336.0	3328.0	3330.0	3336.0	3347.9	3353.8
12.5°	3365.7	3371.6	3359.8	3336.0	3330.0	3322.1	3322.1	3328.0	3343.9	3351.8
15°	3377.6	3383.5	3365.7	3339.9	3334.0	3328.0	3326.1	3334.0	3351.8	3365.7
17.5°	3399.4	3405.3	3377.6	3341.9	3334.0	3336.0	3334.0	3339.9	3367.7	3393.4
20°	3419.2	3423.2	3385.5	3341.9	3334.0	3336.0	3334.0	3345.9	3381.6	3417.2
22.5°	3425.2	3429.1	3393.4	3355.8	3349.8	3351.8	3349.8	3361.7	3395.4	3431.1
25°	3427.1	3433.1	3405.3	3375.6	3385.5	3389.5	3385.5	3387.5	3413.3	3445.0
27.5°	3456.9	3464.8	3439.0	3413.3	3419.2	3417.2	3423.2	3429.1	3448.9	3480.7
30°	3518.3	3524.3	3502.5	3476.7	3472.7	3458.9	3476.7	3496.5	3518.3	3546.1
32.5°	3619.4	3631.3	3603.6	3575.8	3558.0	3550.0	3563.9	3597.6	3627.3	3657.1
35°	3787.9	3795.8	3770.1	3718.5	3686.8	3686.8	3698.7	3742.3	3789.9	3827.5
37.5°	4025.8	4035.7	3990.1	3928.6	3881.1	3881.1	3896.9	3942.5	4013.9	4067.4
40°	4315.1	4329.0	4271.5	4208.1	4162.5	4154.6	4174.4	4226.0	4293.3	4360.7
42.5°	4664.0	4679.9	4604.5	4549.0	4513.4	4513.4	4523.3	4570.8	4632.3	4715.5
45°	5110.0	5137.7	5034.7	4979.2	4945.5	4953.4	4959.3	5001.0	5056.5	5151.6
47.5°	5641.2	5669.0	5559.9	5502.5	5496.5	5534.2	5510.4	5540.1	5569.9	5678.9
50°	6243.8	6291.4	6216.0	6212.1	6224.0	6293.3	6237.8	6253.7	6220.0	6289.4
52.5°	6981.1	7050.5	7036.6	7060.4	7193.2	7336.0	7209.1	7153.6	7026.7	7048.5
55°	7875.1	7980.2	8000.0	8142.7	8444.0	8735.4	8465.8	8241.8	7972.2	7922.7
57.5°	8891.9	8975.2	9070.3	9361.7	9924.6	10442.0	9924.6	9429.1	9004.9	8903.8
60°	9986.1	10089.2	10180.3	10610.5	11446.9	12174.4	11431.1	10644.2	10083.2	9946.4
62.5°	11161.5	11294.3	11357.7	11835.4	12810.7	13678.8	12824.5	11871.1	11248.7	11102.0
65°	12289.4	12398.4	12469.7	12979.1	13910.8	14780.9	13974.2	13034.6	12394.4	12202.1
67.5°	12814.6	12874.1	13048.5	13625.3	14608.5	15601.5	14775.0	13686.8	12971.2	12634.2
70°	12045.5	11924.6	12344.9	13268.5	14691.7	16105.0	14882.0	13240.8	12364.7	11817.6
72.5°	9308.2	9100.1	9829.5	11409.3	13740.3	15783.9	13835.4	11498.5	10283.4	9173.4
75°	5064.4	4828.5	5835.5	7833.5	10957.3	13680.8	11209.1	8057.5	6497.5	5026.7
77.5°	1429.1	1339.9	2152.6	3789.9	6590.7	9605.5	6844.4	3873.1	2553.0	1514.4
80°	438.1	424.2	574.8	1141.7	2798.8	4600.6	2689.8	1155.6	731.4	461.8
82.5°	259.7	237.9	285.4	416.3	713.6	1445.0	693.8	434.1	348.9	233.9
85°	148.7	138.8	168.5	202.2	239.8	307.2	200.2	206.1	186.3	124.9
87.5°	61.4	55.5	65.4	63.4	55.5	71.4	53.5	63.4	75.3	49.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3478.7
3466.8
3423.2
3375.6
3353.8
3353.8
3367.7
3393.4
3419.2
3431.1
3443.0
3472.7
3540.1
3645.2
3813.7
4047.6
4338.9
4709.6
5147.7
5647.2
6247.7
6975.2
7845.4
8832.5
9827.5
10983.1
12107.0
12638.2
11948.4
9448.9
5353.8
1682.8
487.6
253.7
130.8
45.6
0.0

OF REPORT)