

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: P850631

Luminaire Tested: **GLAN-SB8B-727-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850631
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-727-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40959 lumens
Efficiency: N/A
Efficacy: 139.9 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

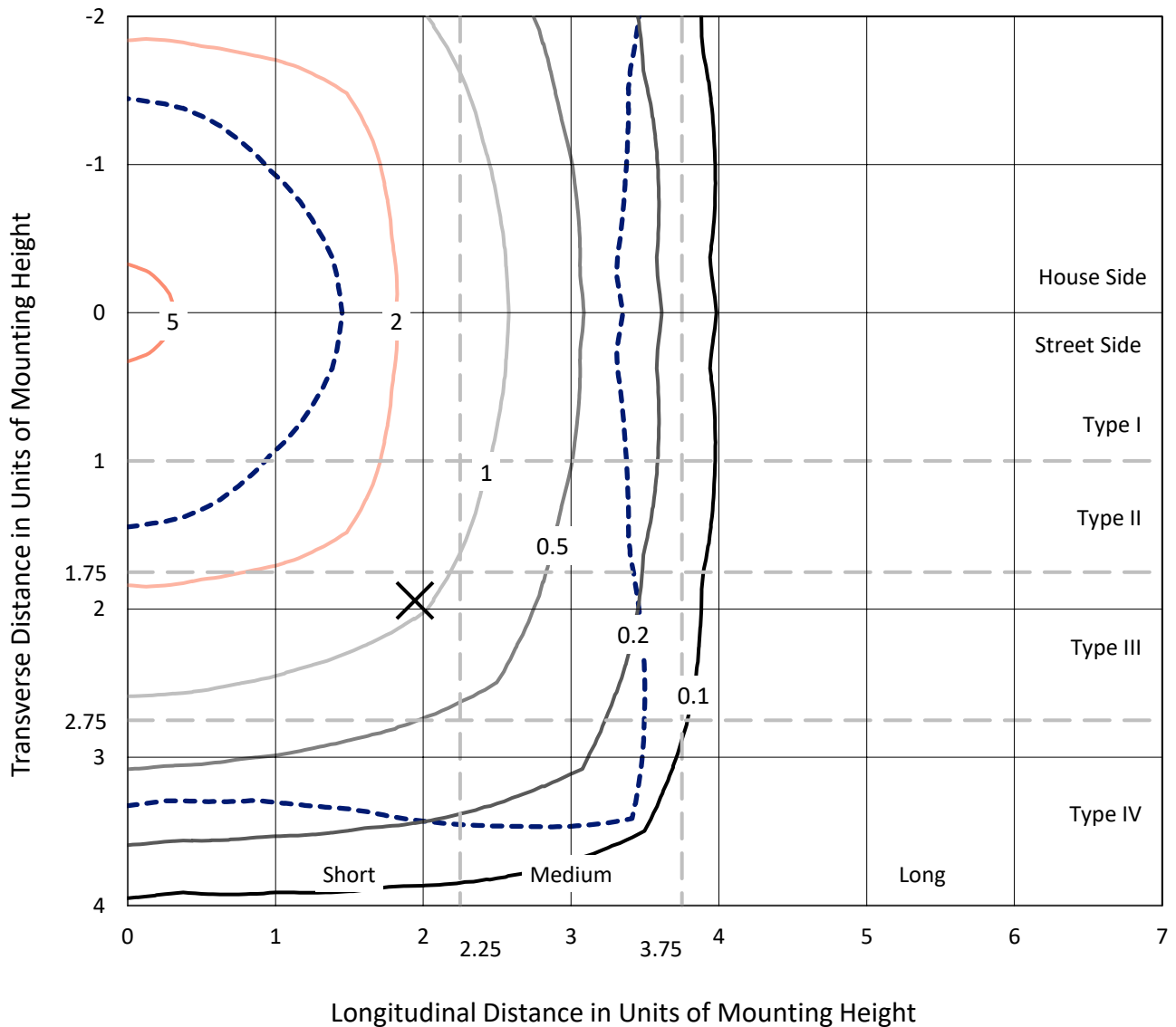
Input Watts (W): 292.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

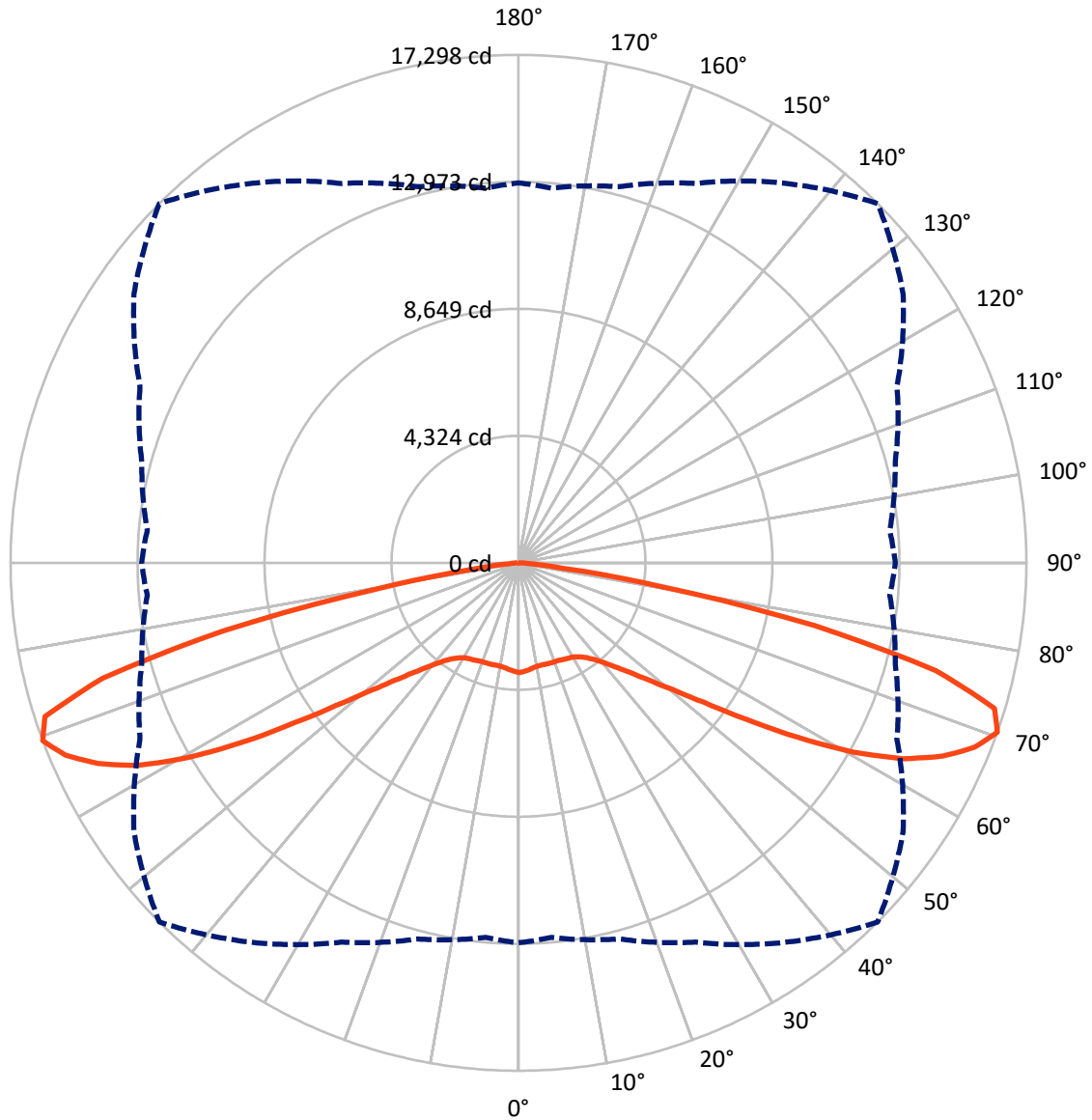
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 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	20479.5	0.0	20479.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20479.5	0.0	20479.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	40959.0	0.0	40959.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.6	0.8
10°-20°	1020.5	2.5
20°-30°	1698.3	4.1
30°-40°	2568.4	6.3
40°-50°	4268.0	10.4
50°-60°	8053.6	19.7
60°-70°	13598.8	33.2
70°-80°	8935.8	21.8
80°-90°	468.1	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°	40959.0	100.0
0°-180°	40959.0	100.0

Coefficient of Utilization

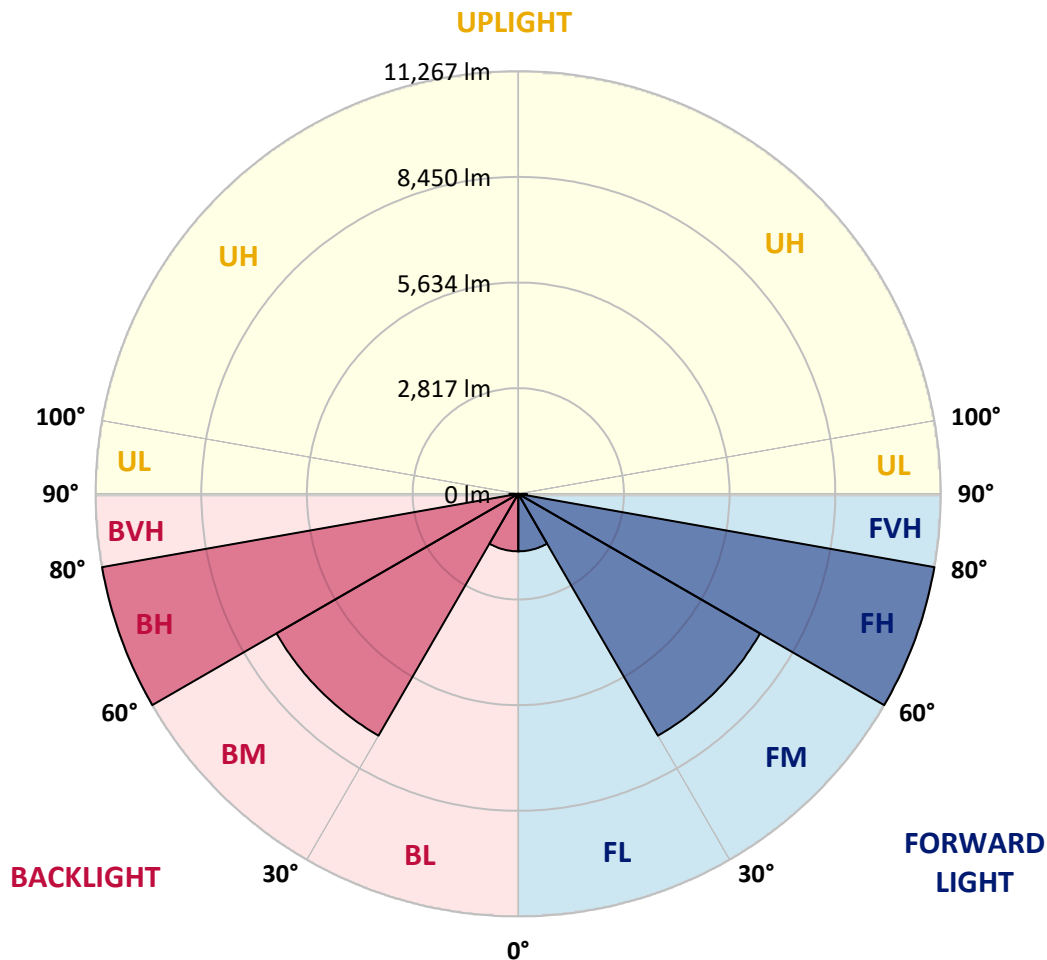


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1533.2	3.7			
FM (30°-60°)	7445.0	18.2			
FH (60°-80°)	11267.3	27.5			G4/12000
FVH (80°-90°)	234.1	0.6			G3/500
BL (0°-30°)	1533.2	3.7	B3/2500		
BM (30°-60°)	7445.0	18.2	B4/8500		
BH (60°-80°)	11267.3	27.5	B5		G4/12000
BVH (80°-90°)	234.1	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°	3736.3	3736.3	3736.3	3736.3	3736.3	3736.3	3736.3	3736.3	3736.3	3736.3
2.5°	3712.9	3723.5	3719.3	3710.7	3710.7	3704.4	3710.7	3715.0	3721.4	3725.6
5°	3663.9	3672.4	3670.3	3663.9	3666.0	3659.6	3663.9	3670.3	3674.5	3676.7
7.5°	3621.3	3629.8	3625.6	3614.9	3614.9	3608.5	3610.7	3617.1	3623.5	3625.6
10°	3610.7	3619.2	3606.4	3589.4	3583.0	3574.5	3576.6	3583.0	3595.8	3602.2
12.5°	3614.9	3621.3	3608.5	3583.0	3576.6	3568.1	3568.1	3574.5	3591.5	3600.0
15°	3627.7	3634.1	3614.9	3587.3	3580.9	3574.5	3572.4	3580.9	3600.0	3614.9
17.5°	3651.1	3657.5	3627.7	3589.4	3580.9	3583.0	3580.9	3587.3	3617.1	3644.7
20°	3672.4	3676.7	3636.2	3589.4	3580.9	3583.0	3580.9	3593.6	3632.0	3670.3
22.5°	3678.8	3683.1	3644.7	3604.3	3597.9	3600.0	3597.9	3610.7	3646.9	3685.2
25°	3680.9	3687.3	3657.5	3625.6	3636.2	3640.5	3636.2	3638.4	3666.0	3700.1
27.5°	3712.9	3721.4	3693.7	3666.0	3672.4	3670.3	3676.7	3683.1	3704.4	3738.4
30°	3778.9	3785.3	3761.8	3734.2	3729.9	3715.0	3734.2	3755.4	3778.9	3808.7
32.5°	3887.4	3900.2	3870.4	3840.6	3821.4	3812.9	3827.8	3864.0	3896.0	3927.9
35°	4068.4	4076.9	4049.2	3993.9	3959.8	3959.8	3972.6	4019.4	4070.5	4111.0
37.5°	4323.9	4334.5	4285.6	4219.6	4168.5	4168.5	4185.5	4234.5	4311.1	4368.6
40°	4634.7	4649.6	4587.9	4519.7	4470.8	4462.3	4483.5	4538.9	4611.3	4683.7
42.5°	5009.4	5026.4	4945.5	4885.9	4847.6	4847.6	4858.2	4909.3	4975.3	5064.7
45°	5488.4	5518.2	5407.5	5347.9	5311.7	5320.2	5326.6	5371.3	5430.9	5533.1
47.5°	6059.0	6088.8	5971.7	5909.9	5903.5	5944.0	5918.4	5950.4	5982.3	6099.4
50°	6706.2	6757.2	6676.3	6672.1	6684.9	6759.4	6699.8	6716.8	6680.6	6755.1
52.5°	7498.1	7572.6	7557.7	7583.3	7725.9	7879.2	7742.9	7683.3	7547.1	7570.5
55°	8458.3	8571.1	8592.4	8745.7	9069.3	9382.2	9092.7	8852.1	8562.6	8509.4
57.5°	9550.4	9639.8	9742.0	10055.0	10659.6	11215.2	10659.6	10127.4	9671.8	9563.2
60°	10725.6	10836.3	10934.2	11396.2	12294.6	13075.9	12277.6	11432.4	10829.9	10683.0
62.5°	11988.0	12130.7	12198.8	12711.9	13759.3	14691.8	13774.2	12750.2	12081.7	11924.2
65°	13199.4	13316.5	13393.1	13940.3	14940.9	15875.5	15009.0	13999.9	13312.2	13105.7
67.5°	13763.6	13827.4	14014.8	14634.3	15690.3	16756.9	15869.1	14700.3	13931.8	13569.8
70°	12937.6	12807.7	13259.0	14251.1	15779.7	17297.6	15984.1	14221.3	13280.3	12692.7
72.5°	9997.5	9774.0	10557.4	12254.2	14757.8	16952.7	14860.0	12350.0	11044.9	9852.7
75°	5439.4	5186.1	6267.6	8413.6	11768.8	14693.9	12039.1	8654.1	6978.7	5399.0
77.5°	1535.0	1439.2	2312.0	4070.5	7078.7	10316.8	7351.2	4159.9	2742.1	1626.5
80°	470.5	455.6	617.4	1226.3	3006.1	4941.3	2889.0	1241.2	785.6	496.0
82.5°	278.9	255.5	306.6	447.1	766.4	1552.0	745.1	466.2	374.7	251.2
85°	159.7	149.0	181.0	217.2	257.6	330.0	215.0	221.4	200.1	134.1
87.5°	66.0	59.6	70.3	68.1	59.6	76.6	57.5	68.1	80.9	53.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3736.3
3723.5
3676.7
3625.6
3602.2
3602.2
3617.1
3644.7
3672.4
3685.2
3698.0
3729.9
3802.3
3915.1
4096.1
4347.3
4660.2
5058.4
5528.9
6065.3
6710.4
7491.7
8426.3
9486.5
10555.3
11796.4
13003.6
13574.1
12833.2
10148.6
5750.3
1807.5
523.7
272.5
140.5
49.0
0.0

OF REPORT)