

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: P850911

Luminaire Tested: **GLAN-SB8C-927-U-5WQ**

Issue Date: 6/26/2024

Test Information

Test Method: LM-79-08
Report Number: P850911
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-SB8C-927-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 90 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 39447 lumens
Efficiency: N/A
Efficacy: 98.7 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

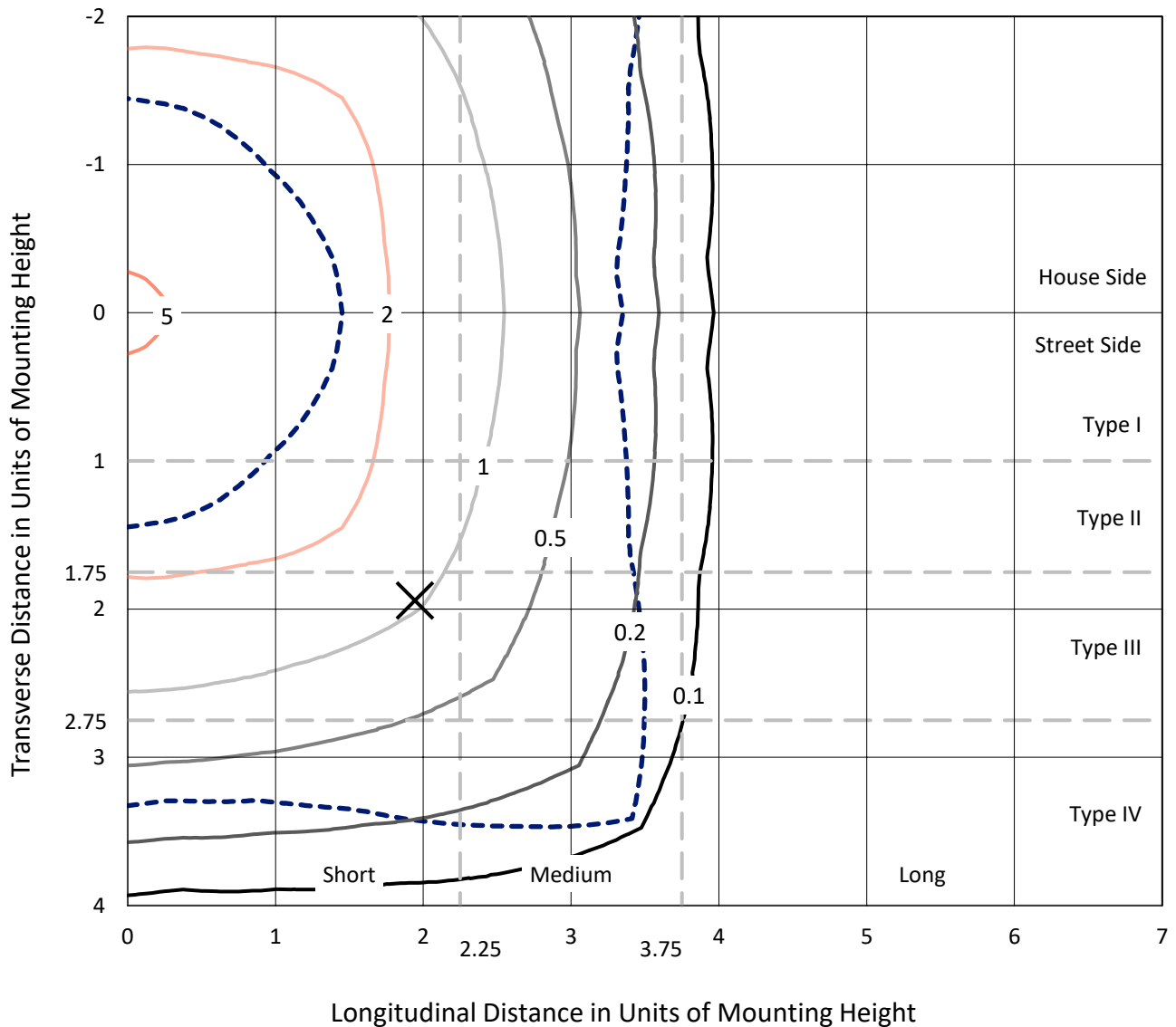
Input Watts (W): 399.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

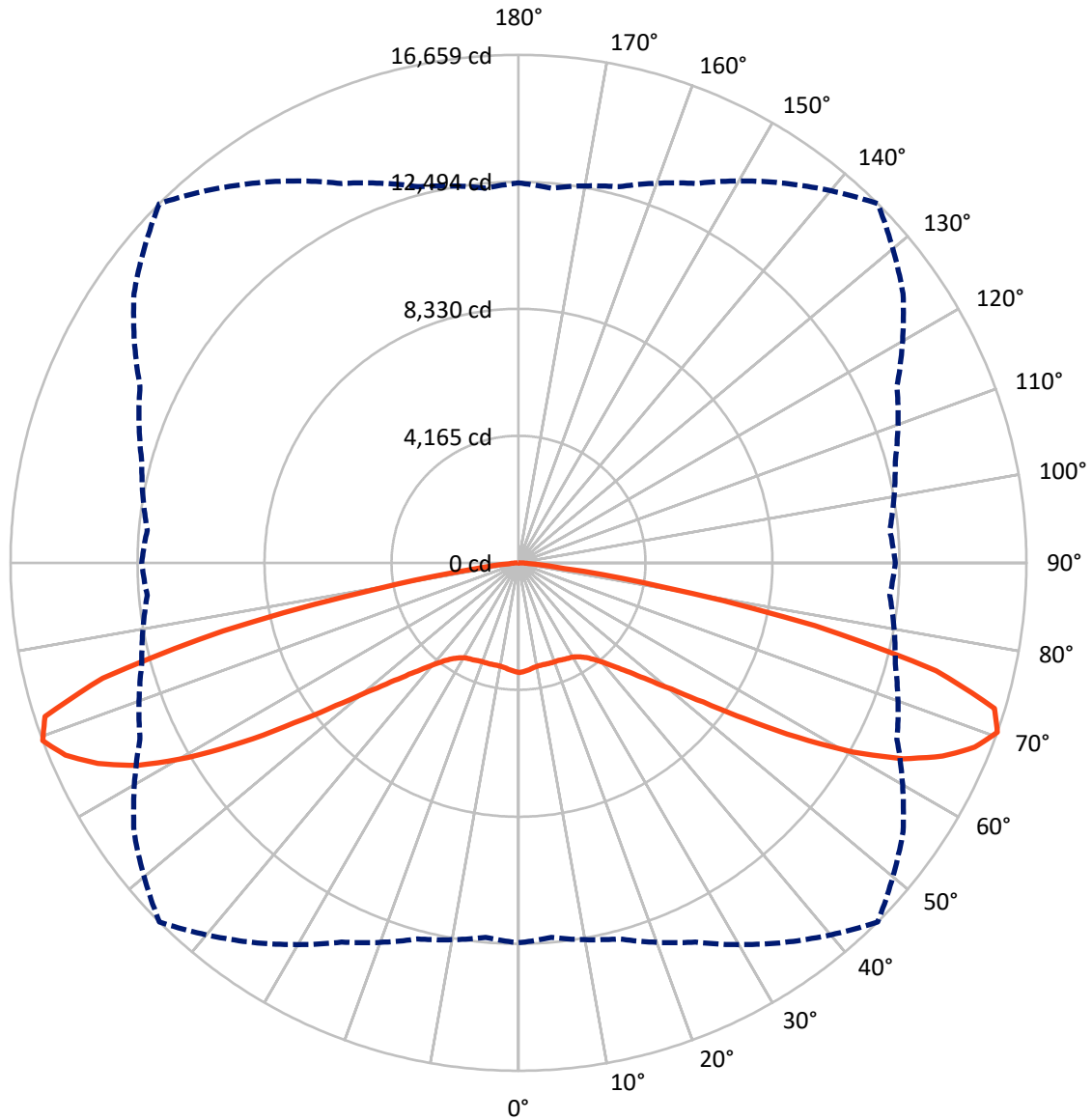
✕ Max cd
 - - - 1/2 Max cd



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	19723.5	0.0	19723.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19723.5	0.0	19723.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	39447.0	0.0	39447.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.7	0.8
10°-20°	982.9	2.5
20°-30°	1635.6	4.1
30°-40°	2473.5	6.3
40°-50°	4110.4	10.4
50°-60°	7756.3	19.7
60°-70°	13096.8	33.2
70°-80°	8605.9	21.8
80°-90°	450.9	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°	39447.0	100.0
0°-180°	39447.0	100.0

Coefficient of Utilization

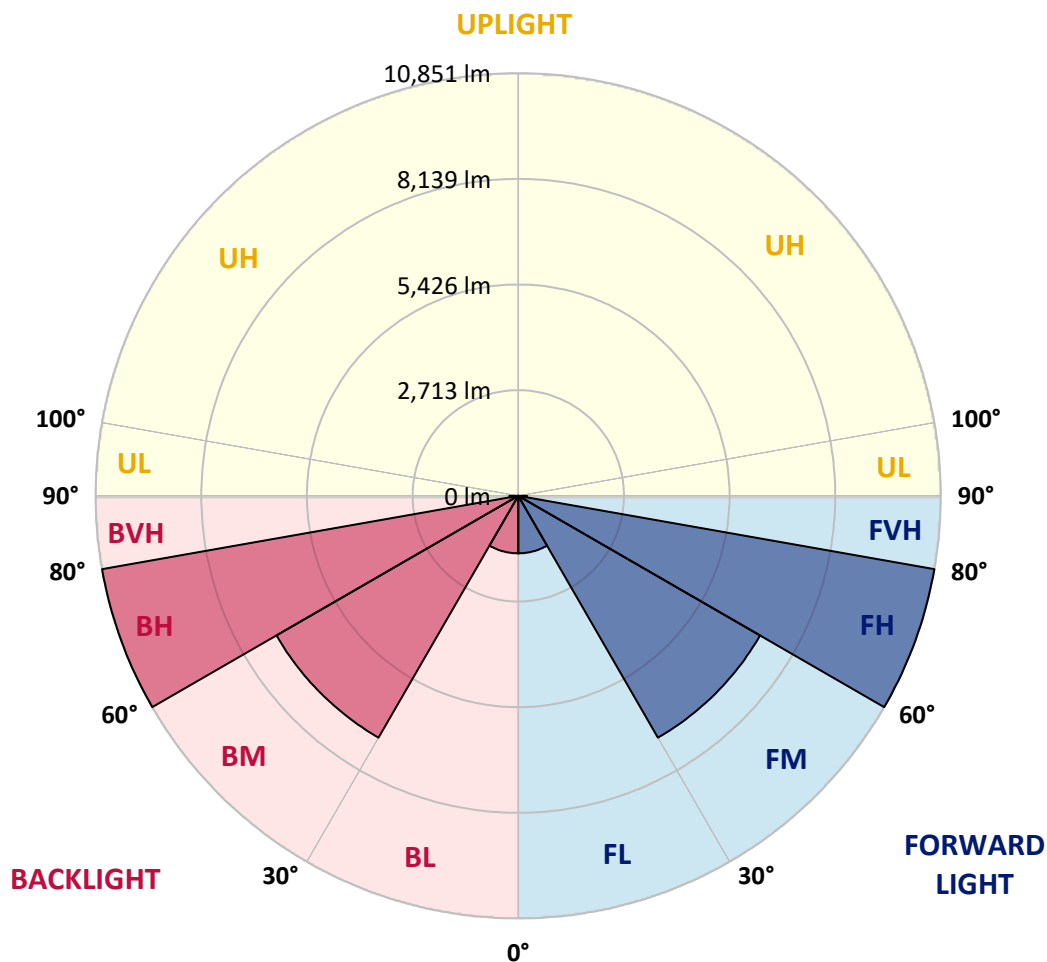


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1476.6	3.7			
FM (30°-60°)	7170.1	18.2			
FH (60°-80°)	10851.3	27.5			G4/12000
FVH (80°-90°)	225.4	0.6			G3/500
BL (0°-30°)	1476.6	3.7	B3/2500		
BM (30°-60°)	7170.1	18.2	B4/8500		
BH (60°-80°)	10851.3	27.5	B5		G4/12000
BVH (80°-90°)	225.4	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°	3598.4	3598.4	3598.4	3598.4	3598.4	3598.4	3598.4	3598.4	3598.4	3598.4
2.5°	3575.8	3586.1	3582.0	3573.8	3573.8	3567.6	3573.8	3577.9	3584.0	3588.1
5°	3528.6	3536.9	3534.8	3528.6	3530.7	3524.5	3528.6	3534.8	3538.9	3541.0
7.5°	3487.6	3495.8	3491.7	3481.5	3481.5	3475.3	3477.4	3483.5	3489.7	3491.7
10°	3477.4	3485.6	3473.3	3456.9	3450.7	3442.5	3444.6	3450.7	3463.0	3469.2
12.5°	3481.5	3487.6	3475.3	3450.7	3444.6	3436.4	3436.4	3442.5	3458.9	3467.1
15°	3493.8	3499.9	3481.5	3454.8	3448.7	3442.5	3440.5	3448.7	3467.1	3481.5
17.5°	3516.3	3522.5	3493.8	3456.9	3448.7	3450.7	3448.7	3454.8	3483.5	3510.2
20°	3536.9	3541.0	3502.0	3456.9	3448.7	3450.7	3448.7	3461.0	3497.9	3534.8
22.5°	3543.0	3547.1	3510.2	3471.2	3465.1	3467.1	3465.1	3477.4	3512.2	3549.2
25°	3545.1	3551.2	3522.5	3491.7	3502.0	3506.1	3502.0	3504.0	3530.7	3563.5
27.5°	3575.8	3584.0	3557.4	3530.7	3536.9	3534.8	3541.0	3547.1	3567.6	3600.4
30°	3639.4	3645.5	3623.0	3596.3	3592.2	3577.9	3596.3	3616.8	3639.4	3668.1
32.5°	3743.9	3756.2	3727.5	3698.8	3680.4	3672.2	3686.5	3721.4	3752.1	3782.9
35°	3918.2	3926.4	3899.8	3846.5	3813.6	3813.6	3825.9	3871.1	3920.3	3959.2
37.5°	4164.3	4174.5	4127.4	4063.8	4014.6	4014.6	4031.0	4078.1	4152.0	4207.3
40°	4463.6	4478.0	4418.5	4352.9	4305.7	4297.5	4318.0	4371.3	4441.1	4510.8
42.5°	4824.5	4840.9	4763.0	4705.5	4668.6	4668.6	4678.9	4728.1	4791.7	4877.8
45°	5285.8	5314.5	5207.9	5150.5	5115.6	5123.8	5130.0	5173.0	5230.4	5328.9
47.5°	5835.3	5864.0	5751.2	5691.8	5685.6	5724.6	5700.0	5730.7	5761.5	5874.2
50°	6458.6	6507.8	6429.9	6425.8	6438.1	6509.9	6452.4	6468.8	6434.0	6505.8
52.5°	7221.3	7293.1	7278.7	7303.3	7440.7	7588.3	7457.1	7399.7	7268.5	7291.0
55°	8146.0	8254.7	8275.2	8422.8	8734.5	9035.9	8757.0	8525.3	8246.5	8195.2
57.5°	9197.9	9284.0	9382.4	9683.8	10266.1	10801.2	10266.1	9753.5	9314.7	9210.2
60°	10329.7	10436.3	10530.6	10975.5	11840.8	12593.2	11824.4	11010.4	10430.1	10288.6
62.5°	11545.5	11682.9	11748.5	12242.6	13251.4	14149.5	13265.8	12279.5	11635.7	11484.0
65°	12712.2	12824.9	12898.7	13425.7	14389.3	15289.4	14455.0	13483.1	12820.8	12621.9
67.5°	13255.5	13317.0	13497.4	14094.1	15111.1	16138.3	15283.3	14157.7	13417.5	13068.9
70°	12460.0	12334.9	12769.6	13725.0	15197.2	16659.1	15394.0	13696.3	12790.1	12224.2
72.5°	9628.4	9413.1	10167.7	11801.8	14213.0	16326.9	14311.4	11894.1	10637.2	9489.0
75°	5238.6	4994.6	6036.2	8103.0	11334.3	14151.5	11594.7	8334.7	6721.0	5199.7
77.5°	1478.3	1386.0	2226.7	3920.3	6817.4	9936.0	7079.9	4006.4	2640.8	1566.5
80°	453.1	438.8	594.6	1181.0	2895.1	4758.9	2782.3	1195.4	756.6	477.7
82.5°	268.6	246.0	295.3	430.6	738.1	1494.7	717.6	449.0	360.9	241.9
85°	153.8	143.5	174.3	209.1	248.1	317.8	207.1	213.2	192.7	129.2
87.5°	63.6	57.4	67.7	65.6	57.4	73.8	55.4	65.6	77.9	51.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3598.4
3586.1
3541.0
3491.7
3469.2
3469.2
3483.5
3510.2
3536.9
3549.2
3561.5
3592.2
3661.9
3770.6
3944.9
4186.8
4488.2
4871.6
5324.8
5841.4
6462.7
7215.2
8115.3
9136.4
10165.6
11361.0
12523.5
13073.0
12359.5
9774.0
5538.0
1740.7
504.4
262.4
135.3
47.2
0.0

OF REPORT)