

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: P849721

Luminaire Tested: **GLAN-SB6D-927-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P849721  
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-SB6D-927-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 90 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40196 lumens  
Efficiency: N/A  
Efficacy: 91.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

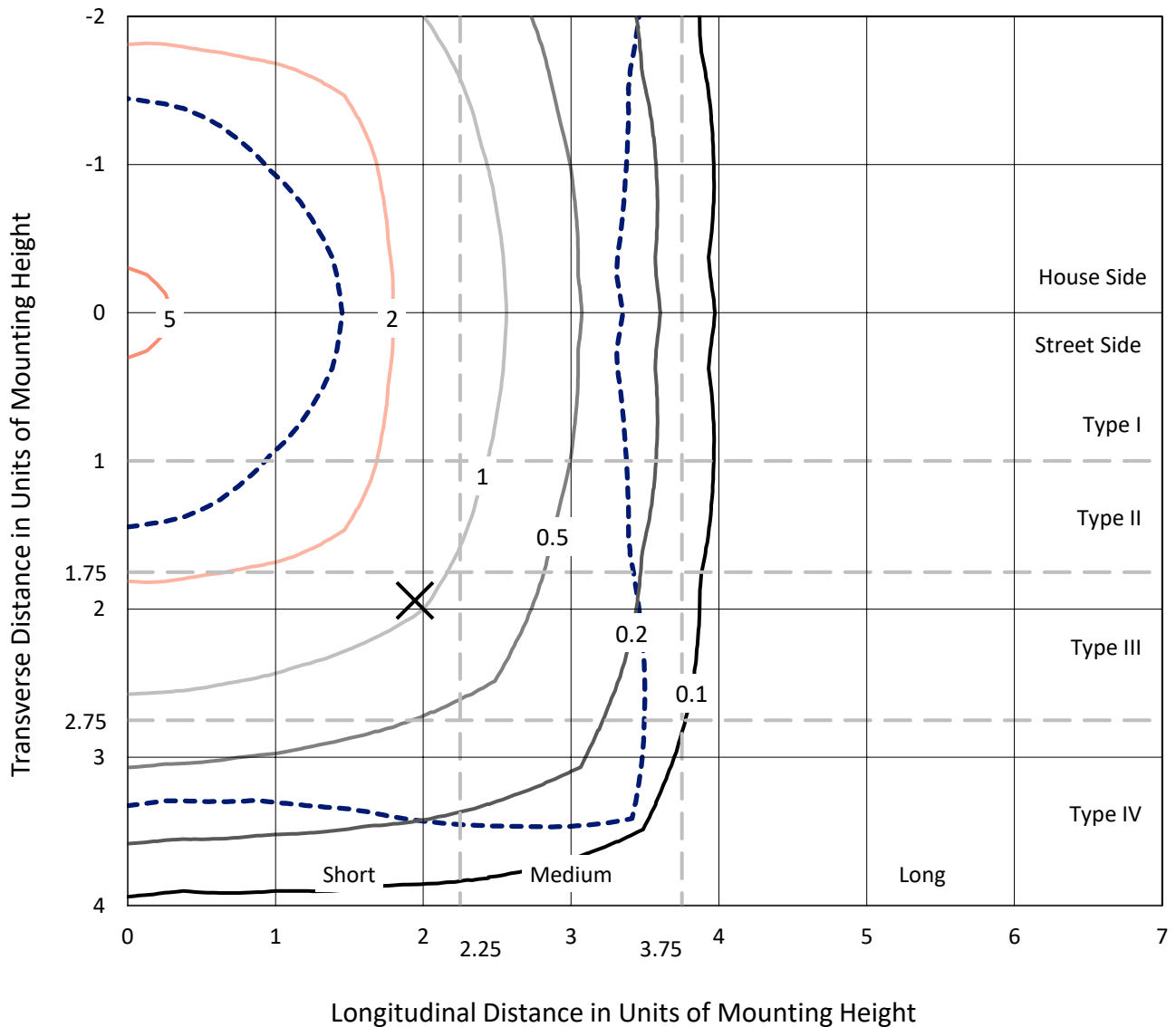
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

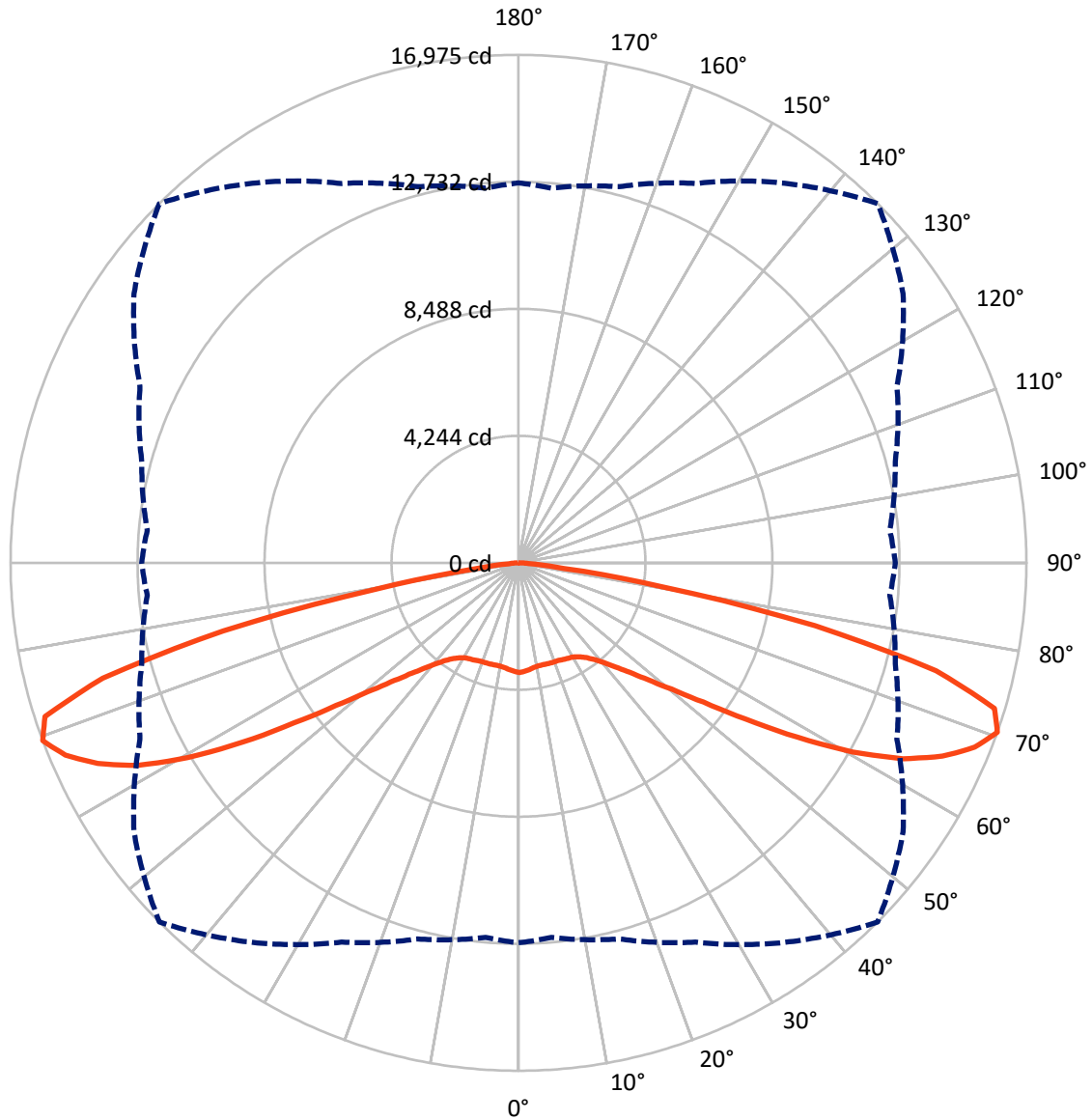
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 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
<b>House Side</b>	Lumens	20098.0	0.0	20098.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20098.0	0.0	20098.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	40196.0	0.0	40196.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	341.1	0.8
10°-20°	1001.5	2.5
20°-30°	1666.7	4.1
30°-40°	2520.5	6.3
40°-50°	4188.5	10.4
50°-60°	7903.5	19.7
60°-70°	13345.4	33.2
70°-80°	8769.3	21.8
80°-90°	459.4	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°	40196.0	100.0
0°-180°	40196.0	100.0

**Coefficient of Utilization**

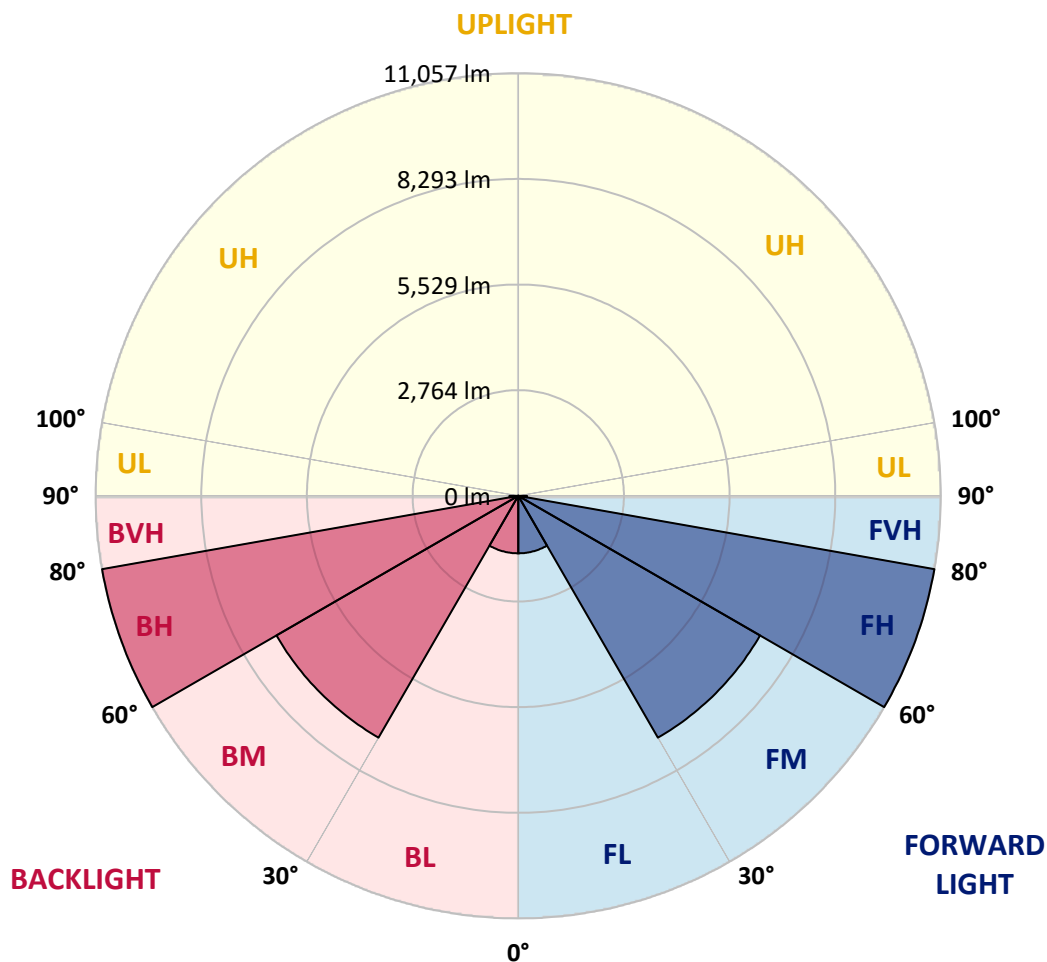


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1504.6	3.7			
FM (30°-60°)	7306.3	18.2			
FH (60°-80°)	11057.4	27.5			G4/12000
FVH (80°-90°)	229.7	0.6			G3/500
BL (0°-30°)	1504.6	3.7	B3/2500		
BM (30°-60°)	7306.3	18.2	B4/8500		
BH (60°-80°)	11057.4	27.5	B5		G4/12000
BVH (80°-90°)	229.7	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°	3666.7	3666.7	3666.7	3666.7	3666.7	3666.7	3666.7	3666.7	3666.7	3666.7
2.5°	3643.7	3654.1	3650.0	3641.6	3641.6	3635.3	3641.6	3645.8	3652.1	3656.2
5°	3595.6	3604.0	3601.9	3595.6	3597.7	3591.5	3595.6	3601.9	3606.1	3608.2
7.5°	3553.9	3562.2	3558.0	3547.6	3547.6	3541.3	3543.4	3549.7	3556.0	3558.0
10°	3543.4	3551.8	3539.2	3522.5	3516.3	3507.9	3510.0	3516.3	3528.8	3535.1
12.5°	3547.6	3553.9	3541.3	3516.3	3510.0	3501.6	3501.6	3507.9	3524.6	3533.0
15°	3560.1	3566.4	3547.6	3520.4	3514.2	3507.9	3505.8	3514.2	3533.0	3547.6
17.5°	3583.1	3589.4	3560.1	3522.5	3514.2	3516.3	3514.2	3520.4	3549.7	3576.8
20°	3604.0	3608.2	3568.5	3522.5	3514.2	3516.3	3514.2	3526.7	3564.3	3601.9
22.5°	3610.3	3614.5	3576.8	3537.1	3530.9	3533.0	3530.9	3543.4	3578.9	3616.5
25°	3612.4	3618.6	3589.4	3558.0	3568.5	3572.7	3568.5	3570.6	3597.7	3631.2
27.5°	3643.7	3652.1	3624.9	3597.7	3604.0	3601.9	3608.2	3614.5	3635.3	3668.8
30°	3708.5	3714.7	3691.8	3664.6	3660.4	3645.8	3664.6	3685.5	3708.5	3737.7
32.5°	3815.0	3827.6	3798.3	3769.1	3750.3	3741.9	3756.5	3792.0	3823.4	3854.7
35°	3992.6	4001.0	3973.8	3919.5	3886.1	3886.1	3898.6	3944.6	3994.7	4034.4
37.5°	4243.3	4253.8	4205.7	4141.0	4090.8	4090.8	4107.5	4155.6	4230.8	4287.2
40°	4548.4	4563.0	4502.4	4435.5	4387.5	4379.1	4400.0	4454.3	4525.4	4596.4
42.5°	4916.1	4932.8	4853.4	4794.9	4757.3	4757.3	4767.7	4817.9	4882.6	4970.4
45°	5386.2	5415.4	5306.8	5248.3	5212.8	5221.1	5227.4	5271.3	5329.8	5430.0
47.5°	5946.1	5975.3	5860.4	5799.8	5793.6	5833.3	5808.2	5839.5	5870.9	5985.8
50°	6581.2	6631.4	6552.0	6547.8	6560.3	6633.5	6575.0	6591.7	6556.2	6629.3
52.5°	7358.4	7431.6	7416.9	7442.0	7582.0	7732.4	7598.7	7540.2	7406.5	7429.5
55°	8300.7	8411.4	8432.3	8582.8	8900.3	9207.5	8923.3	8687.2	8403.1	8350.8
57.5°	9372.5	9460.3	9560.5	9867.7	10461.0	11006.3	10461.0	9938.7	9491.6	9385.0
60°	10525.8	10634.4	10730.5	11183.9	12065.6	12832.4	12048.9	11219.4	10628.2	10484.0
62.5°	11764.7	11904.7	11971.6	12475.1	13503.0	14418.1	13517.6	12512.7	11856.7	11702.1
65°	12953.5	13068.4	13143.7	13680.6	14662.6	15579.8	14729.4	13739.1	13064.3	12861.6
67.5°	13507.2	13569.9	13753.7	14361.7	15398.0	16444.7	15573.5	14426.5	13672.2	13317.1
70°	12696.5	12569.1	13012.0	13985.6	15485.7	16975.4	15686.3	13956.4	13032.9	12456.3
72.5°	9811.3	9591.9	10360.7	12025.9	14482.9	16636.9	14583.2	12119.9	10839.2	9669.2
75°	5338.1	5089.5	6150.8	8256.8	11549.5	14420.2	11814.9	8492.9	6848.7	5298.4
77.5°	1506.4	1412.4	2269.0	3994.7	6946.9	10124.6	7214.3	4082.5	2691.0	1596.2
80°	461.7	447.1	605.9	1203.4	2950.1	4849.2	2835.2	1218.0	770.9	486.8
82.5°	273.7	250.7	300.9	438.7	752.1	1523.1	731.2	457.6	367.7	246.5
85°	156.7	146.2	177.6	213.1	252.8	323.8	211.0	217.3	196.4	131.6
87.5°	64.8	58.5	68.9	66.9	58.5	75.2	56.4	66.9	79.4	52.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3666.7
3654.1
3608.2
3558.0
3535.1
3535.1
3549.7
3576.8
3604.0
3616.5
3629.1
3660.4
3731.5
3842.2
4019.8
4266.3
4573.4
4964.1
5425.9
5952.4
6585.4
7352.2
8269.4
9309.8
10358.6
11576.7
12761.3
13321.2
12594.2
9959.6
5643.1
1773.8
514.0
267.4
137.9
48.1
0.0

OF REPORT)