

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: P848991

Luminaire Tested: **GLAN-SB5D-827-U-5WQ**

Issue Date: 6/26/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P848991  
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-SB5D-827-U-5WQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(5) 80 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: 41456 lumens  
Efficiency: N/A  
Efficacy: 113.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

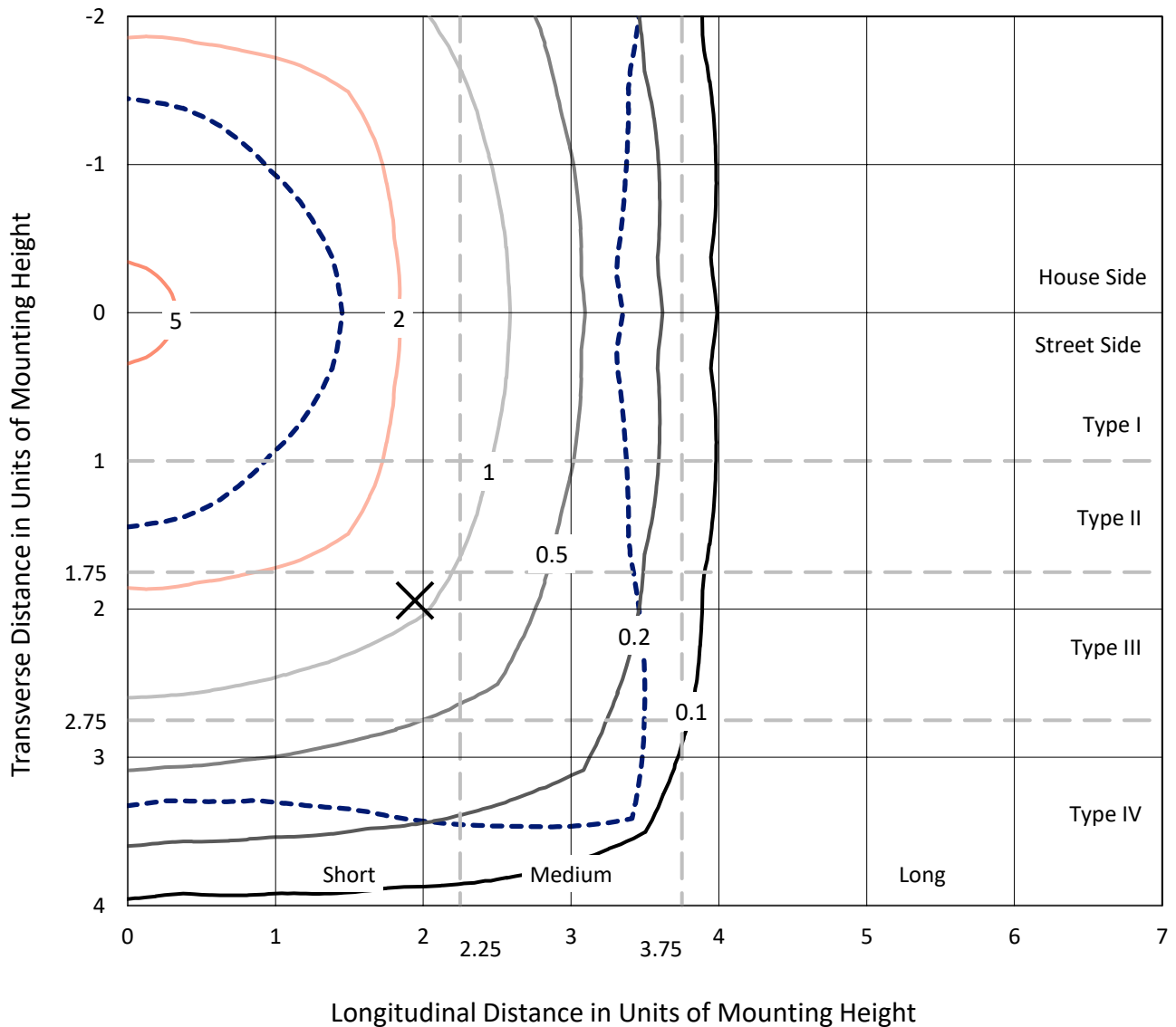
Input Watts (W): 364.9  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

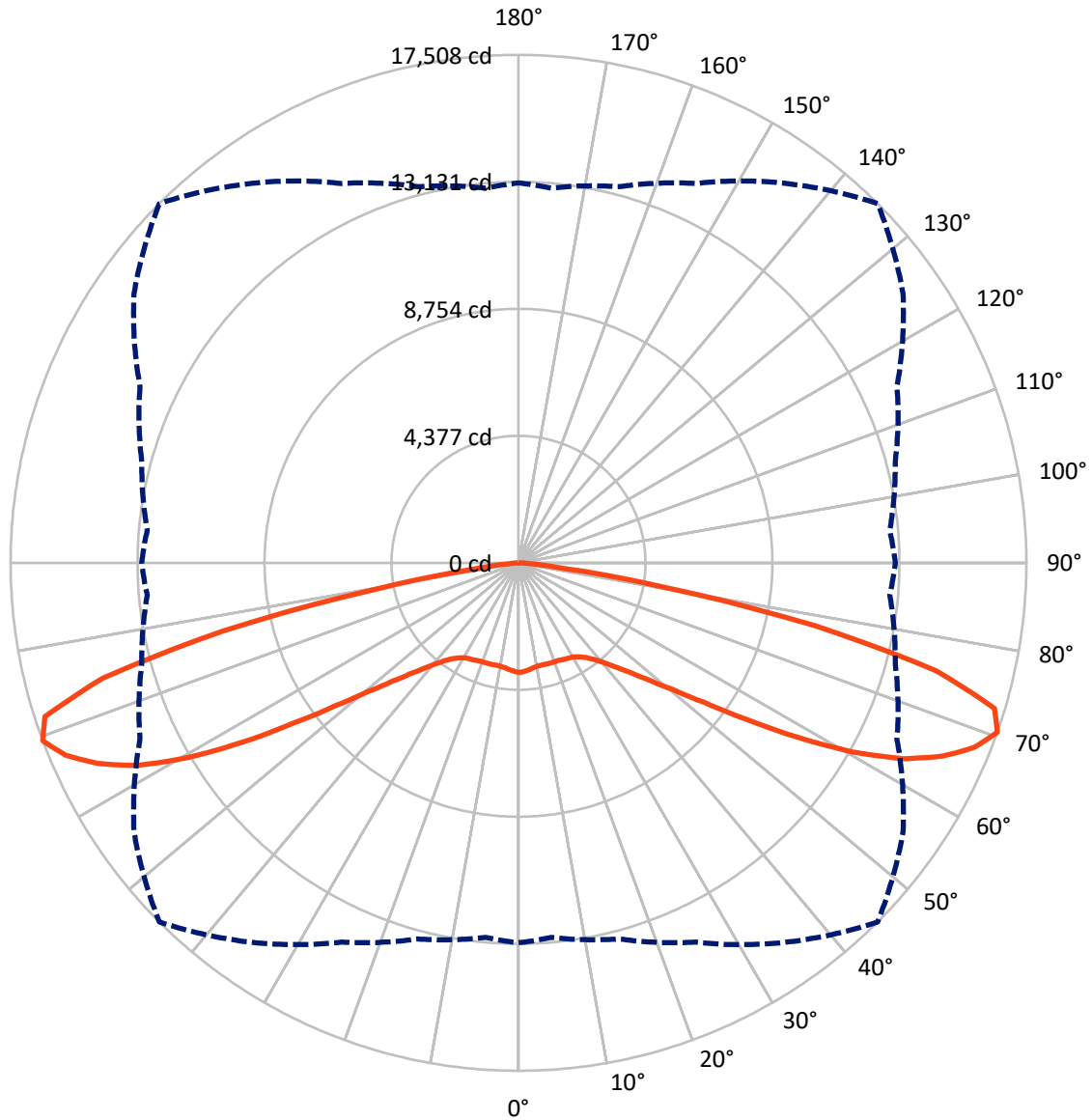
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 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	20728.0	0.0	20728.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	20728.0	0.0	20728.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	41456.0	0.0	41456.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	351.8	0.8
10°-20°	1032.9	2.5
20°-30°	1718.9	4.1
30°-40°	2599.5	6.3
40°-50°	4319.8	10.4
50°-60°	8151.3	19.7
60°-70°	13763.8	33.2
70°-80°	9044.2	21.8
80°-90°	473.8	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°	41456.0	100.0
0°-180°	41456.0	100.0

**Coefficient of Utilization**



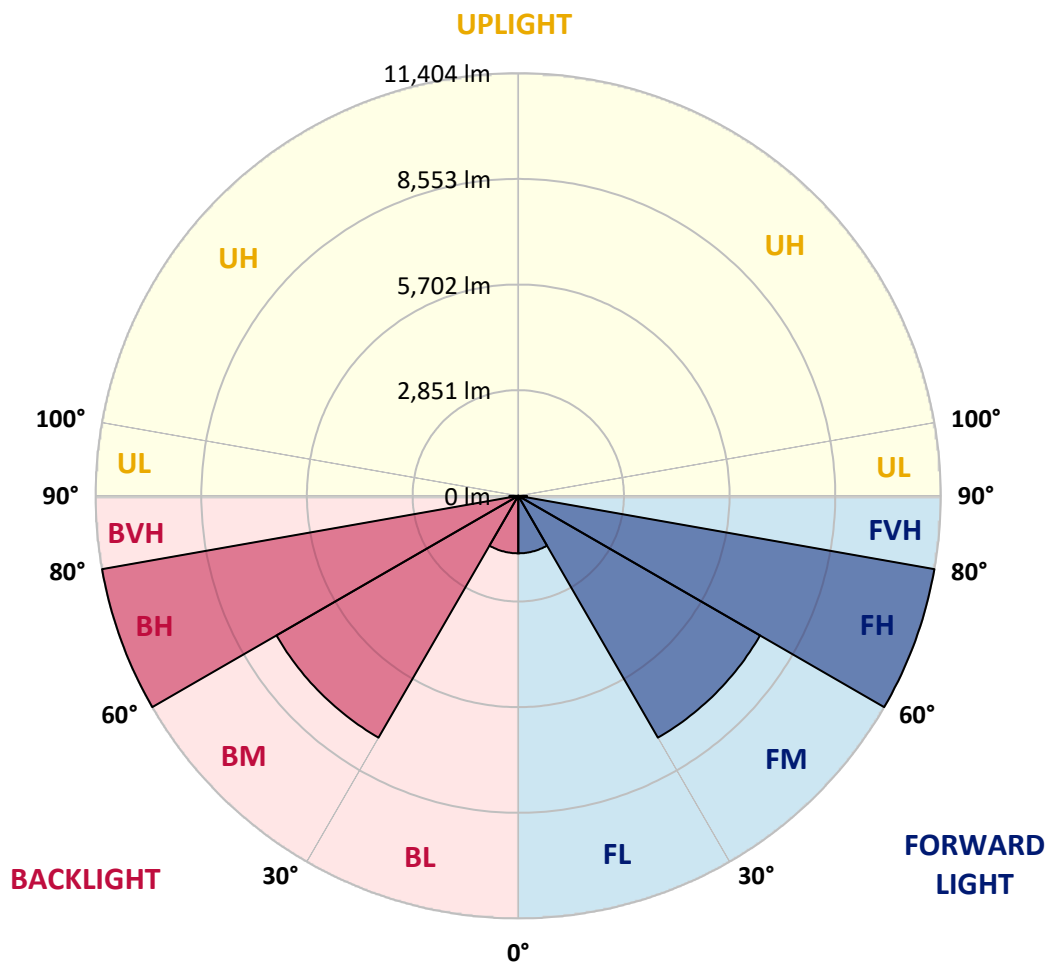
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1551.8	3.7			
FM (30°-60°)	7535.3	18.2			
FH (60°-80°)	11404.0	27.5			G4/12000
FVH (80°-90°)	236.9	0.6			G3/500
BL (0°-30°)	1551.8	3.7	B3/2500		
BM (30°-60°)	7535.3	18.2	B4/8500		
BH (60°-80°)	11404.0	27.5	B5		G4/12000
BVH (80°-90°)	236.9	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°	3781.6	3781.6	3781.6	3781.6	3781.6	3781.6	3781.6	3781.6	3781.6	3781.6
2.5°	3757.9	3768.7	3764.4	3755.8	3755.8	3749.3	3755.8	3760.1	3766.5	3770.8
5°	3708.4	3717.0	3714.8	3708.4	3710.5	3704.1	3708.4	3714.8	3719.1	3721.3
7.5°	3665.3	3673.9	3669.6	3658.8	3658.8	3652.3	3654.5	3661.0	3667.4	3669.6
10°	3654.5	3663.1	3650.2	3632.9	3626.5	3617.9	3620.0	3626.5	3639.4	3645.9
12.5°	3658.8	3665.3	3652.3	3626.5	3620.0	3611.4	3611.4	3617.9	3635.1	3643.7
15°	3671.7	3678.2	3658.8	3630.8	3624.3	3617.9	3615.7	3624.3	3643.7	3658.8
17.5°	3695.4	3701.9	3671.7	3632.9	3624.3	3626.5	3624.3	3630.8	3661.0	3689.0
20°	3717.0	3721.3	3680.3	3632.9	3624.3	3626.5	3624.3	3637.3	3676.0	3714.8
22.5°	3723.4	3727.8	3689.0	3648.0	3641.6	3643.7	3641.6	3654.5	3691.1	3729.9
25°	3725.6	3732.1	3701.9	3669.6	3680.3	3684.7	3680.3	3682.5	3710.5	3745.0
27.5°	3757.9	3766.5	3738.5	3710.5	3717.0	3714.8	3721.3	3727.8	3749.3	3783.8
30°	3824.7	3831.2	3807.5	3779.5	3775.2	3760.1	3779.5	3801.0	3824.7	3854.9
32.5°	3934.6	3947.5	3917.4	3887.2	3867.8	3859.2	3874.3	3910.9	3943.2	3975.6
35°	4117.8	4126.4	4098.4	4042.3	4007.9	4007.9	4020.8	4068.2	4119.9	4160.9
37.5°	4376.3	4387.1	4337.6	4270.8	4219.0	4219.0	4236.3	4285.8	4363.4	4421.6
40°	4690.9	4706.0	4643.5	4574.6	4525.0	4516.4	4537.9	4594.0	4667.2	4740.5
42.5°	5070.2	5087.4	5005.5	4945.2	4906.4	4906.4	4917.2	4968.9	5035.7	5126.2
45°	5555.0	5585.2	5473.1	5412.8	5376.2	5384.8	5391.2	5436.5	5496.8	5600.2
47.5°	6132.5	6162.6	6044.1	5981.6	5975.2	6016.1	5990.3	6022.6	6054.9	6173.4
50°	6787.5	6839.2	6757.4	6753.1	6766.0	6841.4	6781.1	6798.3	6761.7	6837.1
52.5°	7589.1	7664.5	7649.4	7675.3	7819.7	7974.8	7836.9	7776.6	7638.7	7662.4
55°	8560.9	8675.1	8696.7	8851.8	9179.3	9496.1	9203.0	8959.5	8666.5	8612.6
57.5°	9666.3	9756.8	9860.2	10177.0	10788.9	11351.3	10788.9	10250.2	9789.1	9679.2
60°	10855.7	10967.8	11066.9	11534.5	12443.8	13234.6	12426.6	11571.1	10961.3	10812.6
62.5°	12133.5	12277.9	12346.8	12866.1	13926.3	14870.1	13941.4	12904.9	12228.3	12068.9
65°	13359.6	13478.1	13555.7	14109.4	15122.2	16068.1	15191.1	14169.8	13473.8	13264.8
67.5°	13930.6	13995.2	14184.9	14811.9	15880.7	16960.2	16061.7	14878.7	14100.8	13734.5
70°	13094.5	12963.1	13419.9	14424.0	15971.2	17507.5	16178.0	14393.9	13441.5	12846.7
72.5°	10118.8	9892.6	10685.5	12402.9	14936.9	17158.4	15040.3	12499.8	11178.9	9972.3
75°	5505.4	5249.0	6343.6	8515.7	11911.6	14872.2	12185.2	8759.1	7063.3	5464.5
77.5°	1553.6	1456.6	2340.1	4119.9	7164.6	10442.0	7440.4	4210.4	2775.3	1646.2
80°	476.2	461.1	624.9	1241.1	3042.5	5001.2	2924.0	1256.2	795.1	502.1
82.5°	282.3	258.6	310.3	452.5	775.7	1570.8	754.2	471.9	379.2	254.3
85°	161.6	150.8	183.2	219.8	260.7	334.0	217.6	224.1	202.5	135.8
87.5°	66.8	60.3	71.1	69.0	60.3	77.6	58.2	69.0	81.9	53.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3781.6
3768.7
3721.3
3669.6
3645.9
3645.9
3661.0
3689.0
3717.0
3729.9
3742.8
3775.2
3848.4
3962.6
4145.8
4400.0
4716.8
5119.7
5595.9
6138.9
6791.8
7582.6
8528.6
9601.7
10683.4
11939.6
13161.3
13738.8
12989.0
10271.8
5820.0
1829.4
530.1
275.8
142.2
49.6
0.0

OF REPORT)