

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: McGRAW-EDISON

Report Number: P942740

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

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P942740  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-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**

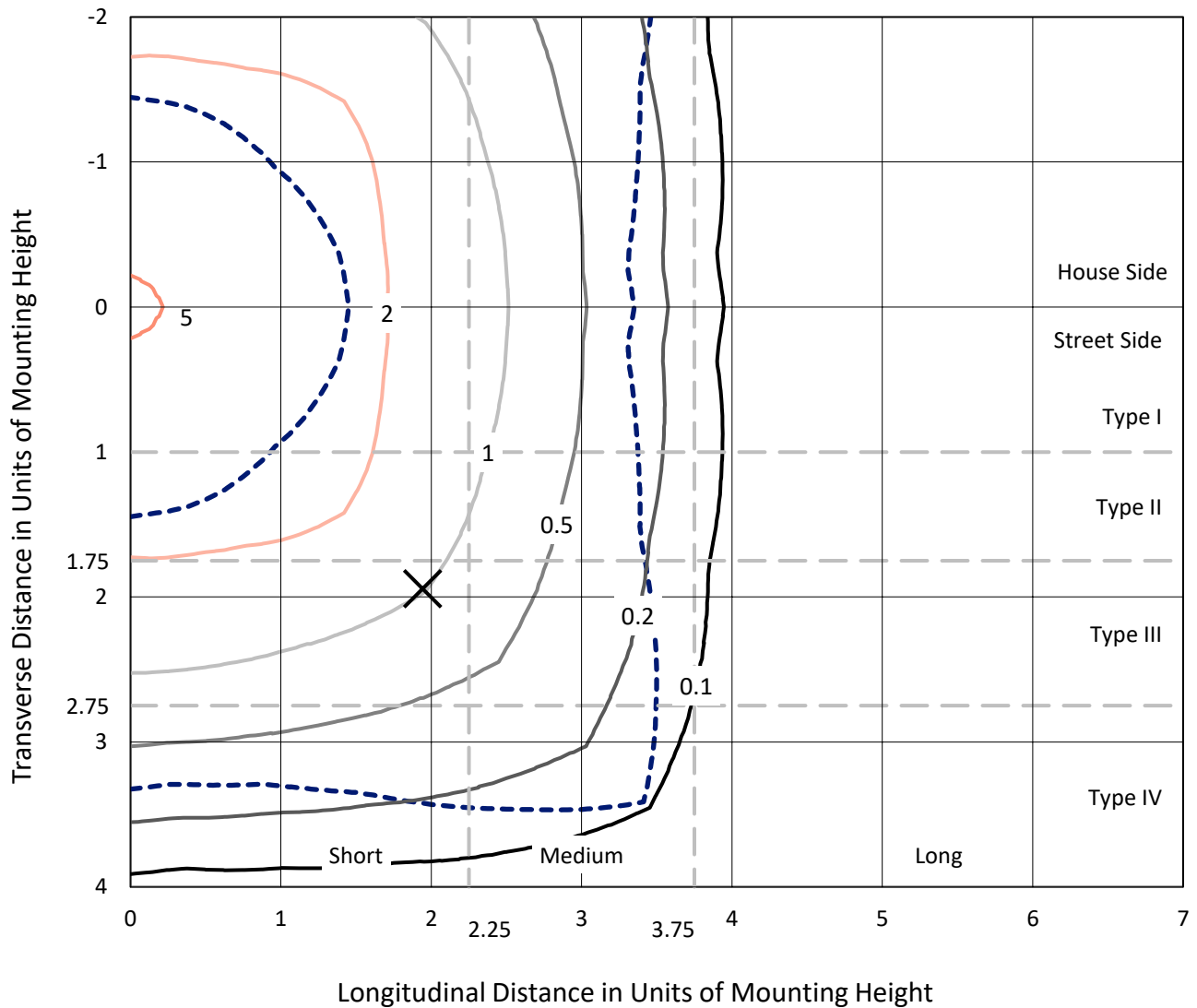
Lumens per Lamp: N/A  
Luminaire Lumens: 37994 lumens  
Efficiency: N/A  
Efficacy: 86.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

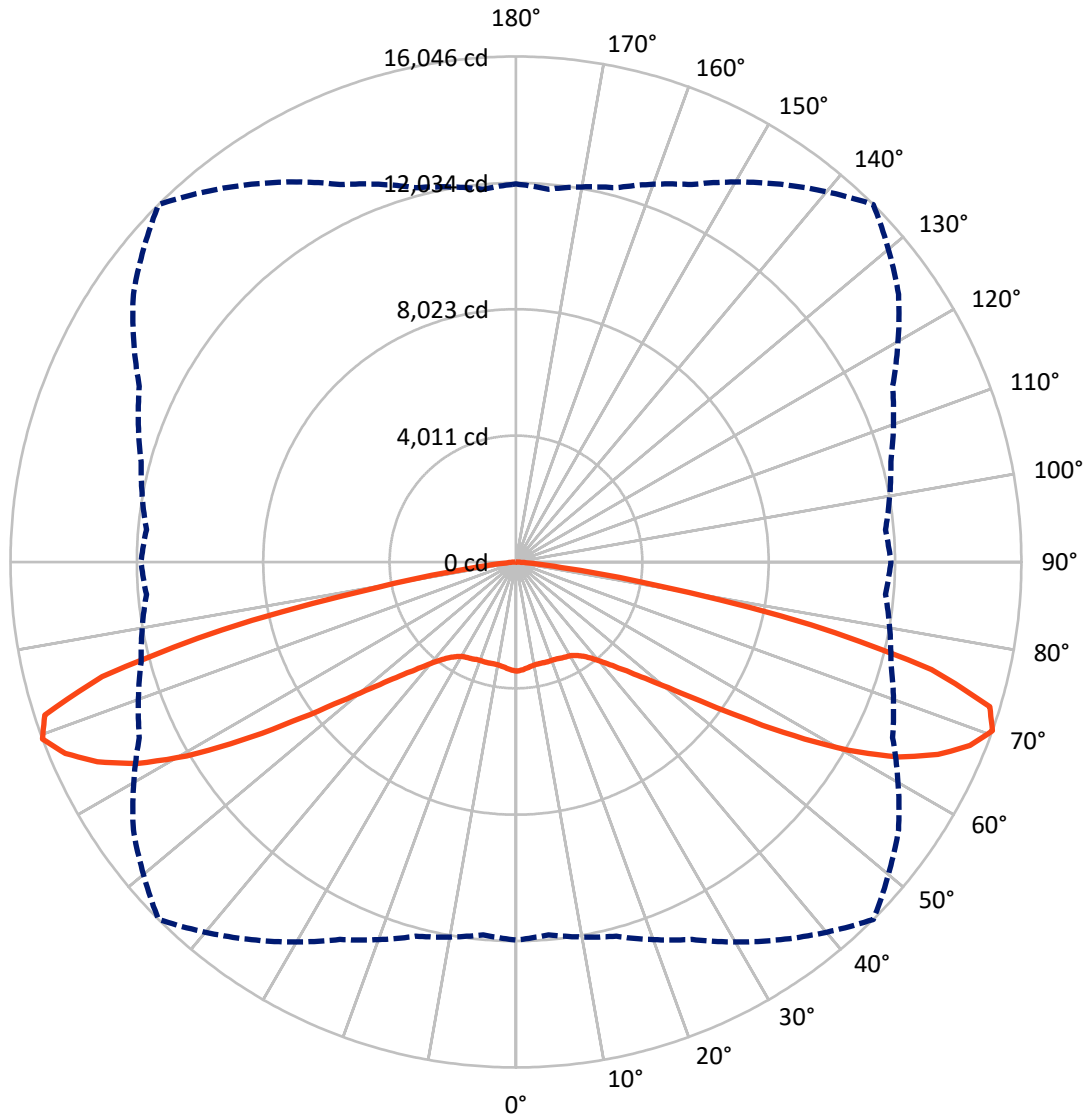
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.5 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	18997.0	0.0	18997.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	18997.0	0.0	18997.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	37994.0	0.0	37994.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	322.4	0.8
10°-20°	946.7	2.5
20°-30°	1575.4	4.1
30°-40°	2382.4	6.3
40°-50°	3959.0	10.4
50°-60°	7470.6	19.7
60°-70°	12614.3	33.2
70°-80°	8288.9	21.8
80°-90°	434.3	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°	37994.0	100.0
0°-180°	37994.0	100.0

**Coefficient of Utilization**



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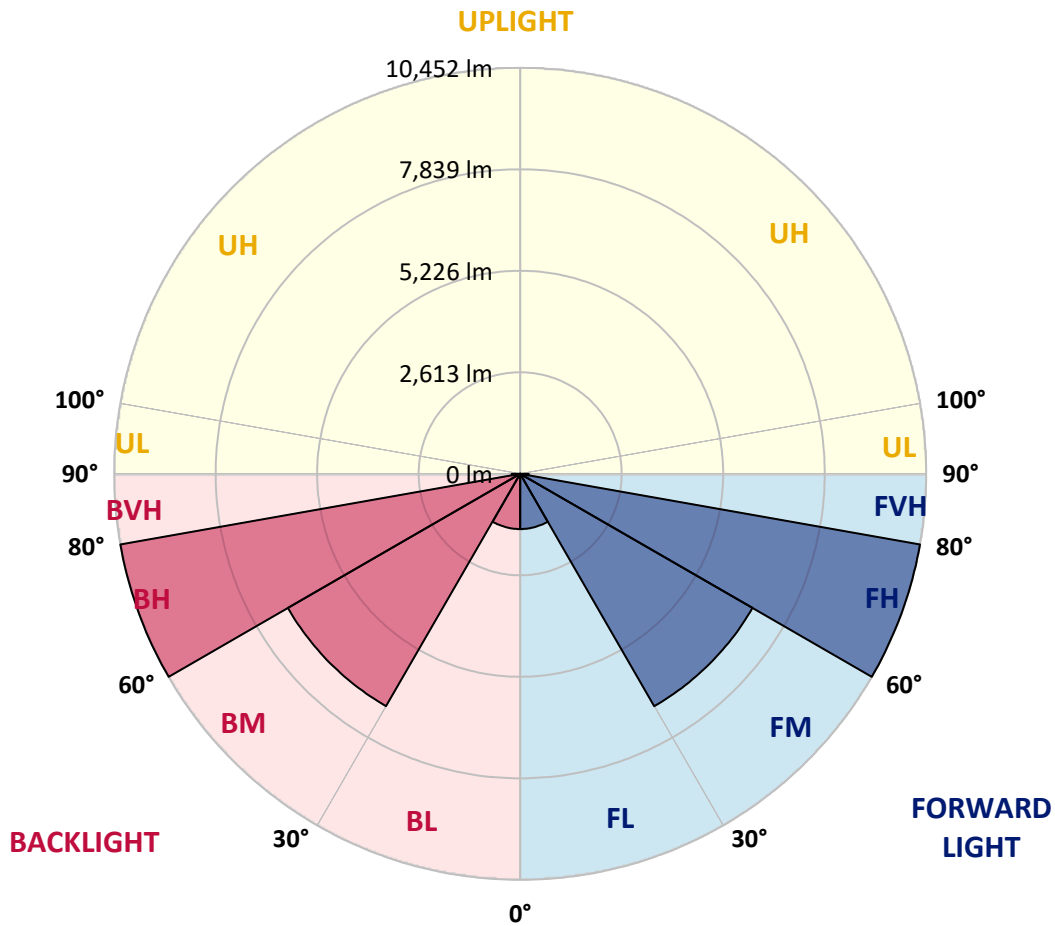
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1422.2	3.7			
FM (30°-60°)	6906.0	18.2			
FH (60°-80°)	10451.6	27.5			G4/12000
FVH (80°-90°)	217.1	0.6			G2/225
BL (0°-30°)	1422.2	3.7	B3/2500		
BM (30°-60°)	6906.0	18.2	B4/8500		
BH (60°-80°)	10451.6	27.5	B5		G4/12000
BVH (80°-90°)	217.1	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°	3465.8	3465.8	3465.8	3465.8	3465.8	3465.8	3465.8	3465.8	3465.8	3465.8
2.5°	3444.1	3454.0	3450.0	3442.1	3442.1	3436.2	3442.1	3446.1	3452.0	3455.9
5°	3398.7	3406.6	3404.6	3398.7	3400.6	3394.7	3398.7	3404.6	3408.5	3410.5
7.5°	3359.2	3367.1	3363.1	3353.3	3353.3	3347.3	3349.3	3355.2	3361.2	3363.1
10°	3349.3	3357.2	3345.4	3329.6	3323.6	3315.7	3317.7	3323.6	3335.5	3341.4
12.5°	3353.3	3359.2	3347.3	3323.6	3317.7	3309.8	3309.8	3315.7	3331.5	3339.4
15°	3365.1	3371.0	3353.3	3327.6	3321.7	3315.7	3313.8	3321.7	3339.4	3353.3
17.5°	3386.8	3392.7	3365.1	3329.6	3321.7	3323.6	3321.7	3327.6	3355.2	3380.9
20°	3406.6	3410.5	3373.0	3329.6	3321.7	3323.6	3321.7	3333.5	3369.1	3404.6
22.5°	3412.5	3416.4	3380.9	3343.4	3337.5	3339.4	3337.5	3349.3	3382.9	3418.4
25°	3414.5	3420.4	3392.7	3363.1	3373.0	3377.0	3373.0	3375.0	3400.6	3432.2
27.5°	3444.1	3452.0	3426.3	3400.6	3406.6	3404.6	3410.5	3416.4	3436.2	3467.8
30°	3505.3	3511.2	3489.5	3463.8	3459.9	3446.1	3463.8	3483.6	3505.3	3533.0
32.5°	3606.0	3617.9	3590.2	3562.6	3544.8	3536.9	3550.7	3584.3	3613.9	3643.6
35°	3773.9	3781.8	3756.1	3704.8	3673.2	3673.2	3685.0	3728.5	3775.9	3813.4
37.5°	4010.9	4020.7	3975.3	3914.1	3866.7	3866.7	3882.5	3927.9	3999.0	4052.3
40°	4299.2	4313.0	4255.7	4192.6	4147.1	4139.2	4159.0	4210.3	4277.5	4344.6
42.5°	4646.8	4662.6	4587.5	4532.2	4496.7	4496.7	4506.6	4553.9	4615.2	4698.1
45°	5091.1	5118.7	5016.1	4960.8	4927.2	4935.1	4941.0	4982.5	5037.8	5132.6
47.5°	5620.4	5648.0	5539.4	5482.1	5476.2	5513.7	5490.0	5519.6	5549.3	5657.9
50°	6220.7	6268.1	6193.1	6189.1	6201.0	6270.1	6214.8	6230.6	6197.0	6266.1
52.5°	6955.3	7024.5	7010.6	7034.3	7166.6	7308.8	7182.4	7127.1	7000.8	7022.5
55°	7846.0	7950.6	7970.4	8112.6	8412.8	8703.1	8434.5	8211.3	7942.7	7893.4
57.5°	8859.1	8942.0	9036.8	9327.1	9887.9	10403.4	9887.9	9394.2	8971.6	8870.9
60°	9949.2	10051.9	10142.7	10571.2	11404.6	12129.4	11388.8	10604.8	10045.9	9909.7
62.5°	11120.2	11252.6	11315.7	11791.7	12763.3	13628.3	12777.1	11827.2	11207.1	11061.0
65°	12243.9	12352.5	12423.6	12931.2	13859.3	14726.3	13922.5	12986.4	12348.6	12157.0
67.5°	12767.2	12826.5	13000.3	13574.9	14554.5	15543.8	14720.3	13636.2	12923.3	12587.5
70°	12001.0	11880.5	12299.2	13219.5	14637.4	16045.5	14827.0	13191.8	12319.0	11773.9
72.5°	9273.8	9066.4	9793.2	11367.1	13689.5	15725.5	13784.3	11456.0	10245.4	9139.5
75°	5045.7	4810.7	5813.9	7804.5	10916.8	13630.2	11167.6	8027.7	6473.5	5008.2
77.5°	1423.8	1335.0	2144.7	3775.9	6566.3	9570.0	6819.1	3858.8	2543.6	1508.8
80°	436.4	422.6	572.7	1137.5	2788.5	4583.6	2679.8	1151.3	728.7	460.1
82.5°	258.7	237.0	284.4	414.7	710.9	1439.6	691.2	432.5	347.6	233.0
85°	148.1	138.2	167.9	201.4	239.0	306.1	199.5	205.4	185.6	124.4
87.5°	61.2	55.3	65.2	63.2	55.3	71.1	53.3	63.2	75.0	49.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°  
3465.8  
3454.0  
3410.5  
3363.1  
3341.4  
3341.4  
3355.2  
3380.9  
3406.6  
3418.4  
3430.3  
3459.9  
3527.0  
3631.7  
3799.6  
4032.6  
4322.9  
4692.2  
5128.6  
5626.3  
6224.6  
6949.4  
7816.4  
8799.8  
9791.2  
10942.5  
12062.2  
12591.5  
*11904.2*  
9414.0  
5334.0  
1676.6  
485.8  
252.8  
130.3  
45.4  
0.0

OF REPORT)