

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: P530024

Luminaire Tested: **GALN-SA5B-727-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530024  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA5B-727-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 20882 lumens  
Efficiency: N/A  
Efficacy: 102.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G1

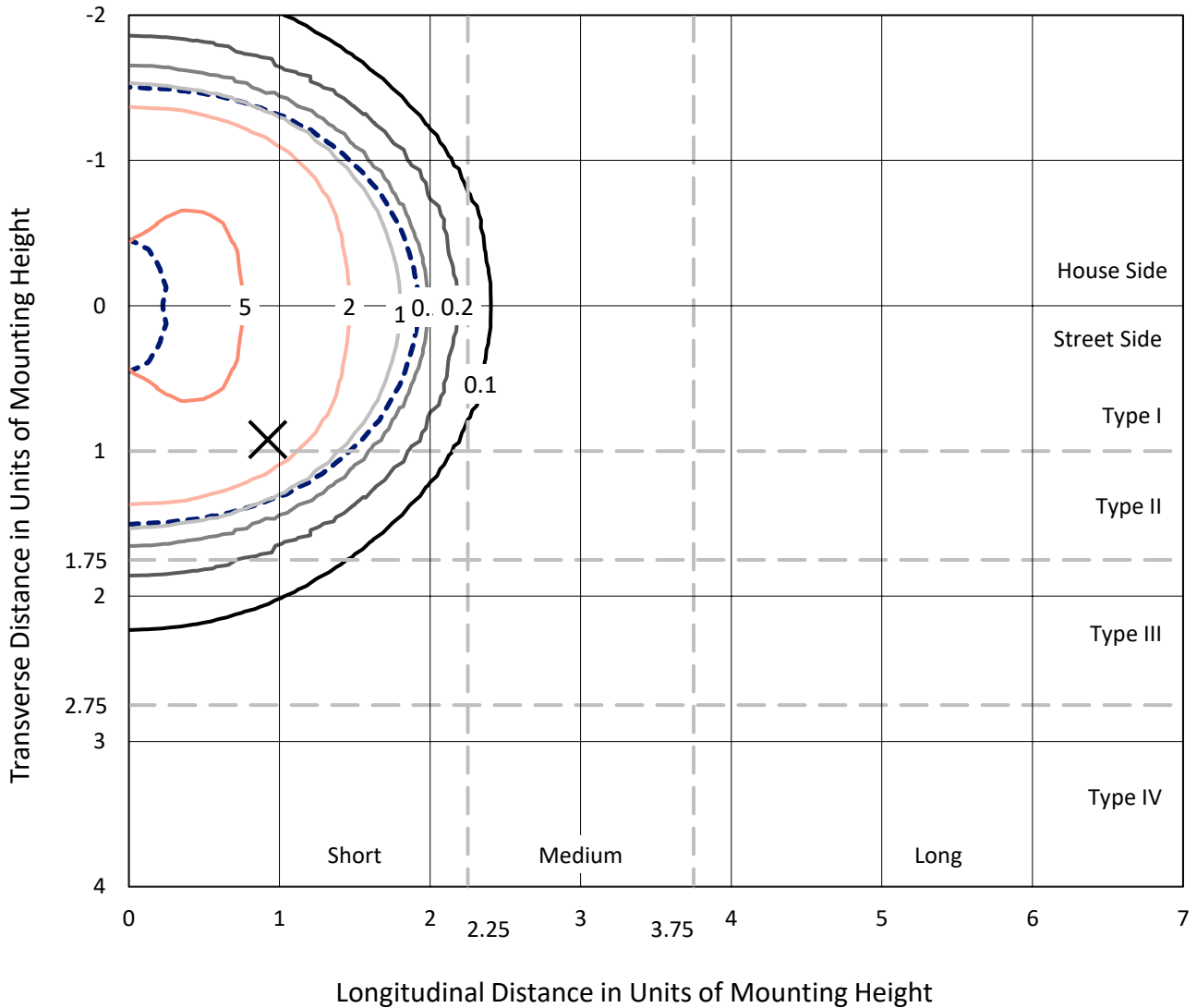
Input Watts (W): 204  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

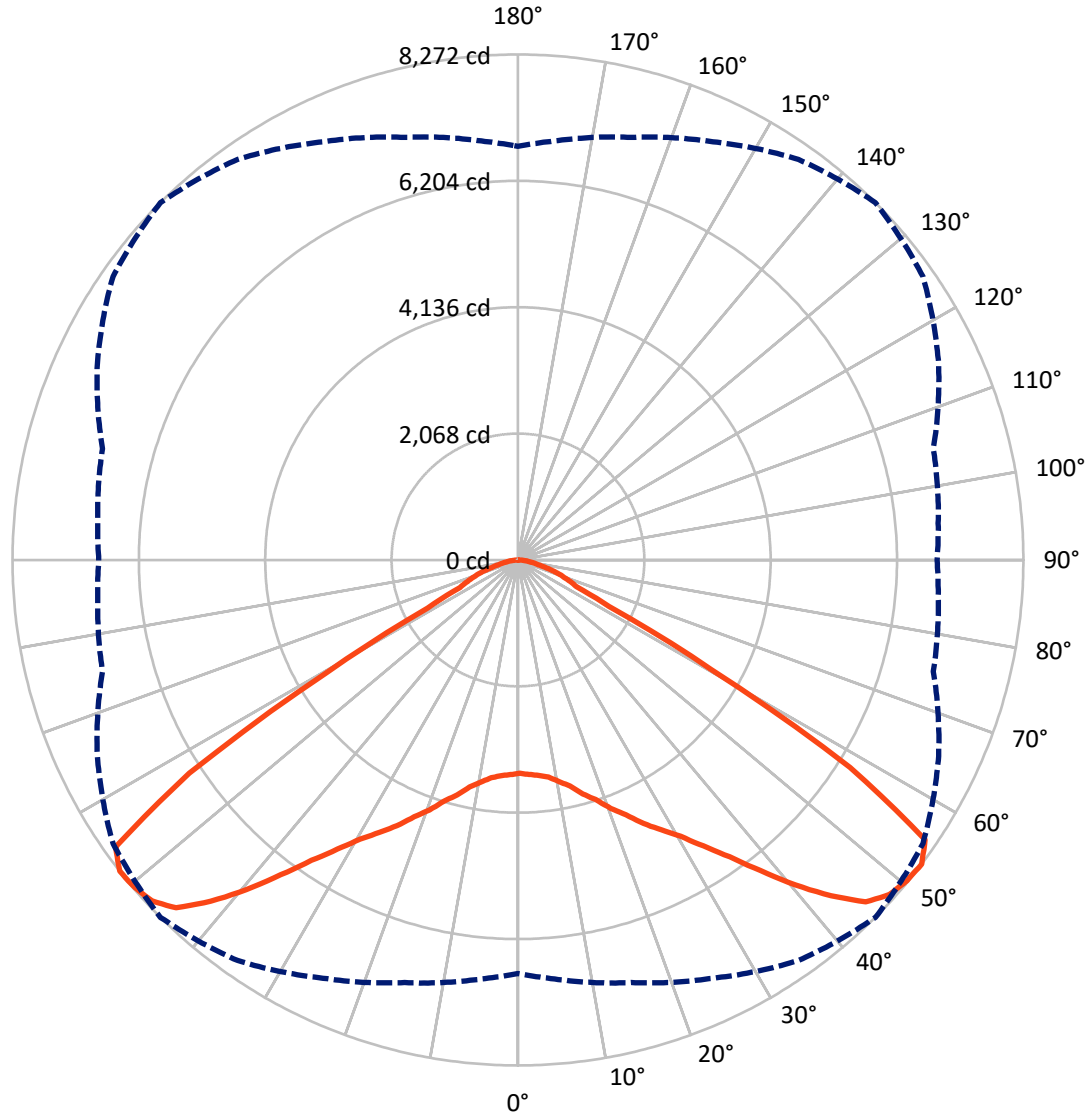
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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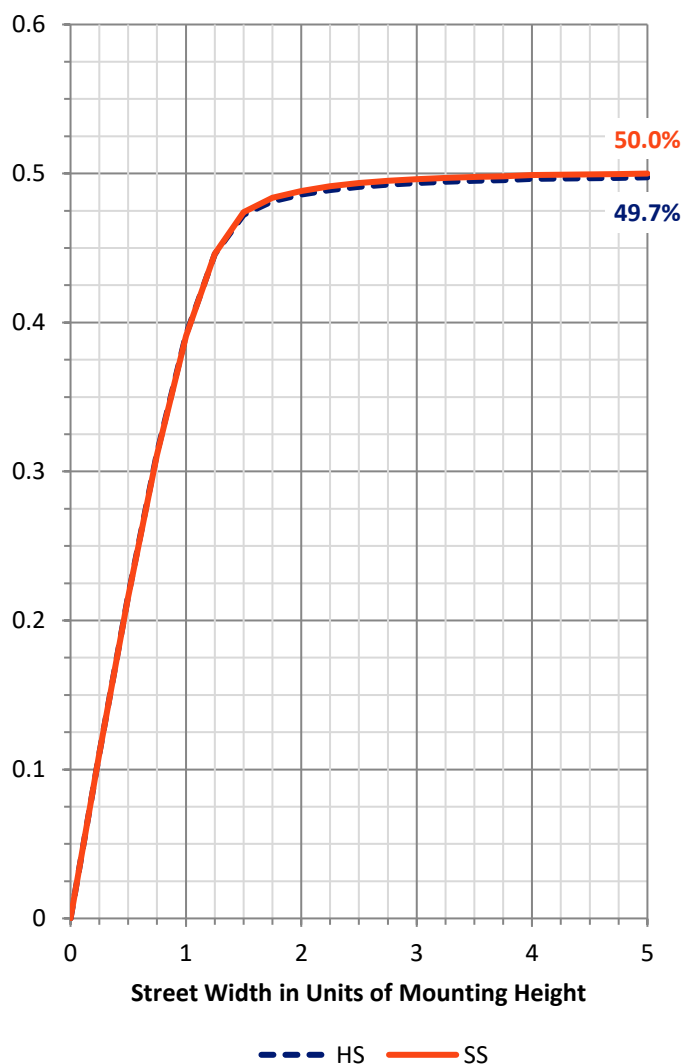
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10441.0	0.0	10441.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10441.0	0.0	10441.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	20882.0	0.0	20882.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	343.0	1.6
10°-20°	1126.9	5.4
20°-30°	2145.5	10.3
30°-40°	3683.9	17.6
40°-50°	5662.3	27.1
50°-60°	5750.0	27.5
60°-70°	1602.4	7.7
70°-80°	472.7	2.3
80°-90°	95.2	0.5
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°	20882.0	100.0
0°-180°	20882.0	100.0

**Coefficient of Utilization**



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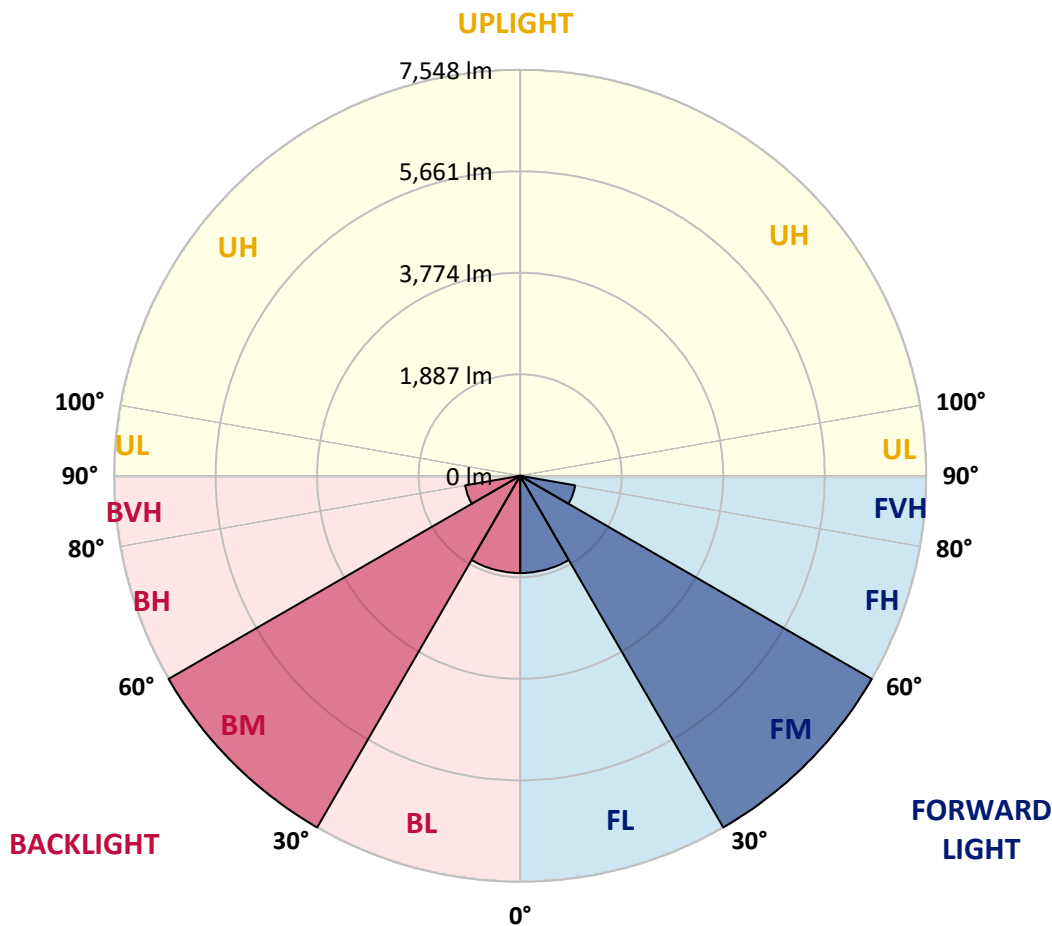
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1807.7	8.7			
FM (30°-60°)	7548.1	36.1			
FH (60°-80°)	1037.6	5.0			G1/1800
FVH (80°-90°)	47.6	0.2			G1/100
BL (0°-30°)	1807.7	8.7	B3/2500		
BM (30°-60°)	7548.1	36.1	B4/8500		
BH (60°-80°)	1037.6	5.0	B3/2500		G1/1800
BVH (80°-90°)	47.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3490.7	3490.7	3490.7	3490.7	3490.7	3490.7	3490.7	3490.7	3490.7	3490.7	3490.7
2.5°	3498.5	3462.2	3475.2	3482.9	3516.6	3514.0	3506.3	3516.6	3527.0	3529.6	3524.4
5°	3495.9	3470.0	3480.3	3488.1	3521.8	3539.9	3534.8	3578.8	3609.9	3602.1	3641.0
7.5°	3475.2	3490.7	3477.7	3516.6	3545.1	3589.2	3635.8	3677.3	3716.2	3760.2	3768.0
10°	3521.8	3521.8	3545.1	3576.2	3651.4	3685.1	3752.4	3812.0	3887.2	3939.0	3918.3
12.5°	3571.0	3578.8	3578.8	3659.1	3721.3	3796.5	3858.7	3939.0	4045.3	4107.5	4138.6
15°	3620.3	3625.5	3651.4	3760.2	3853.5	3972.7	4029.7	4102.3	4161.9	4278.5	4281.1
17.5°	3664.3	3692.8	3770.6	3892.4	4009.0	4123.0	4213.7	4288.9	4340.7	4387.3	4377.0
20°	3830.2	3850.9	3931.3	4053.0	4226.7	4338.1	4369.2	4382.2	4415.9	4509.1	4480.6
22.5°	3990.9	3998.6	4073.8	4260.4	4382.2	4529.9	4563.6	4555.8	4568.8	4592.1	4633.5
25°	4156.7	4169.7	4273.3	4431.4	4602.4	4778.7	4807.2	4747.6	4729.4	4755.3	4757.9
27.5°	4369.2	4371.8	4504.0	4641.3	4835.7	5001.5	5045.6	4998.9	4913.4	4934.1	4967.8
30°	4638.7	4620.6	4752.7	4949.7	5154.4	5247.7	5322.9	5299.5	5206.3	5188.1	5159.6
32.5°	4949.7	4954.9	5074.1	5289.2	5423.9	5579.4	5659.8	5620.9	5561.3	5530.2	5548.3
35°	5387.7	5411.0	5491.3	5670.1	5887.8	5965.5	6092.5	6009.6	5854.1	5893.0	5926.7
37.5°	5747.9	5815.2	5965.5	6178.0	6307.6	6450.2	6496.8	6385.4	6271.3	6224.7	6336.1
40°	6299.8	6279.1	6445.0	6657.5	6849.2	6991.8	6932.2	6820.7	6538.3	6540.9	6572.0
42.5°	6774.1	6784.5	6911.4	7165.4	7427.1	7515.2	7326.1	7054.0	6740.4	6706.7	6774.1
45°	7173.2	7214.6	7287.2	7626.7	7883.2	7979.1	7629.3	7307.9	6888.1	6748.2	6859.6
47.5°	7315.7	7383.1	7541.2	7852.1	8106.1	8183.8	7904.0	7442.7	7025.5	6797.4	6857.0
50°	7336.4	7313.1	7572.3	7857.3	8080.2	8248.6	8002.4	7541.2	6991.8	6872.6	6854.4
52.5°	6768.9	6882.9	7160.2	7551.5	8002.4	8272.0	8090.5	7595.6	7038.4	6903.7	6859.6
55°	5478.4	5343.6	5848.9	6507.2	7336.4	8085.4	8059.5	7624.1	7066.9	6955.5	6895.9
57.5°	3057.9	3096.8	3381.9	4097.1	5167.4	6411.3	7165.4	7323.5	7054.0	6989.2	7020.3
60°	1414.9	1427.9	1549.7	1884.0	2547.4	3635.8	4628.4	5636.4	6100.3	6193.6	6193.6
62.5°	1054.7	1049.5	1080.6	1140.2	1280.2	1671.5	2231.3	3032.0	3669.5	4115.2	4231.9
65°	953.7	951.1	966.6	987.3	997.7	1052.1	1176.5	1422.7	1630.0	1749.2	1728.5
67.5°	834.5	831.9	837.0	850.0	868.1	896.6	927.7	979.6	1052.1	1047.0	1034.0
70°	673.8	673.8	681.6	691.9	712.7	746.3	782.6	818.9	881.1	894.1	891.5
72.5°	497.6	489.8	505.3	526.1	546.8	588.3	627.1	660.8	704.9	717.8	712.7
75°	316.2	321.3	331.7	355.0	391.3	419.8	461.3	489.8	518.3	528.7	531.3
77.5°	176.2	181.4	199.5	228.0	264.3	295.4	331.7	355.0	373.2	375.8	378.4
80°	106.3	108.8	127.0	152.9	184.0	217.7	246.2	269.5	285.1	277.3	274.7
82.5°	64.8	67.4	82.9	106.3	132.2	158.1	189.2	209.9	225.5	215.1	204.7
85°	33.7	36.3	49.2	64.8	85.5	98.5	98.5	88.1	85.5	80.3	77.7
87.5°	10.4	10.4	13.0	15.5	13.0	15.5	18.1	20.7	20.7	23.3	20.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)