

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: P652491

Luminaire Tested: **GALN-SA7B-840-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P652491  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA7B-840-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21540.5 lumens  
Efficiency: N/A  
Efficacy: 75.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

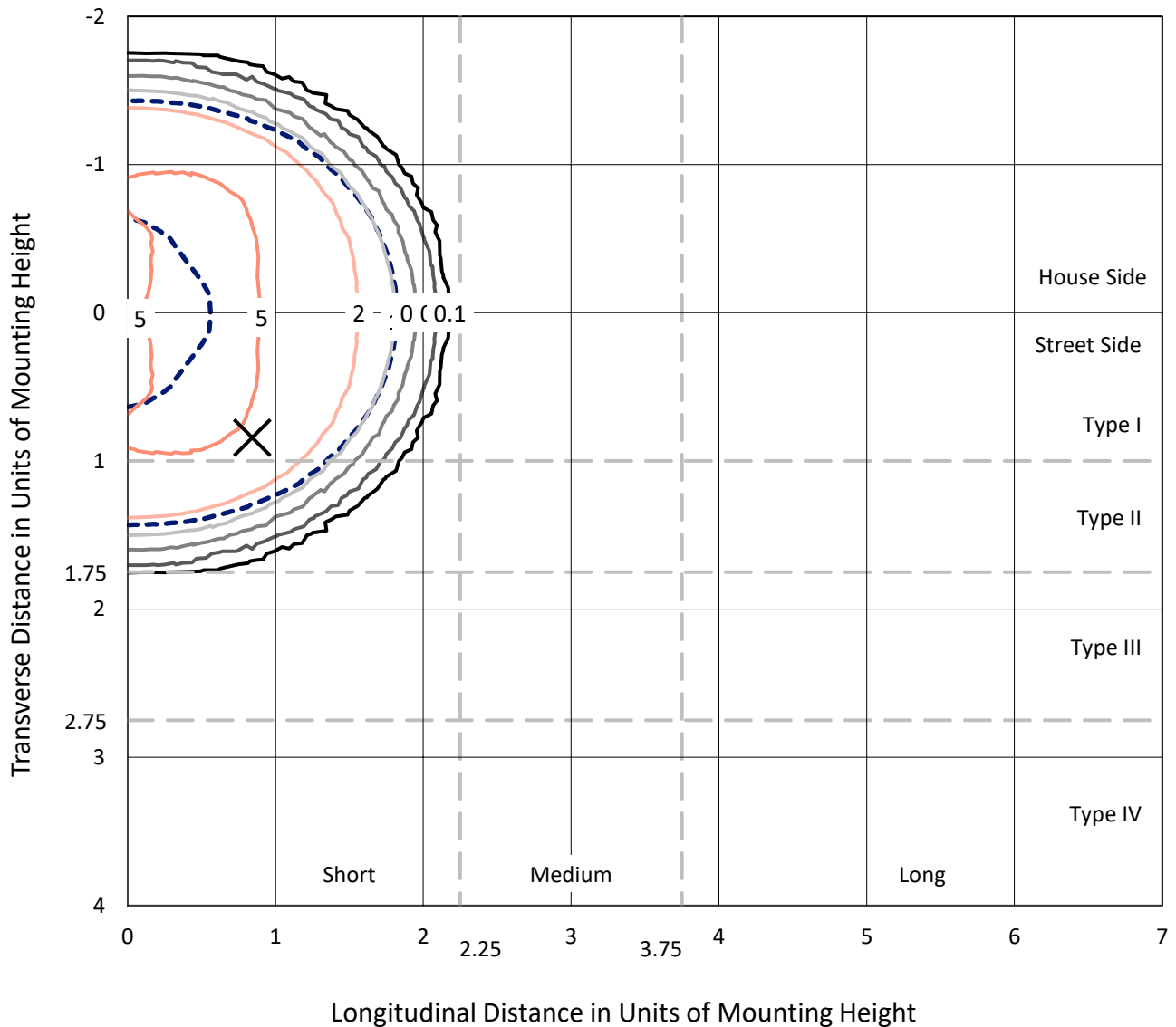
Input Watts (W): 286  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

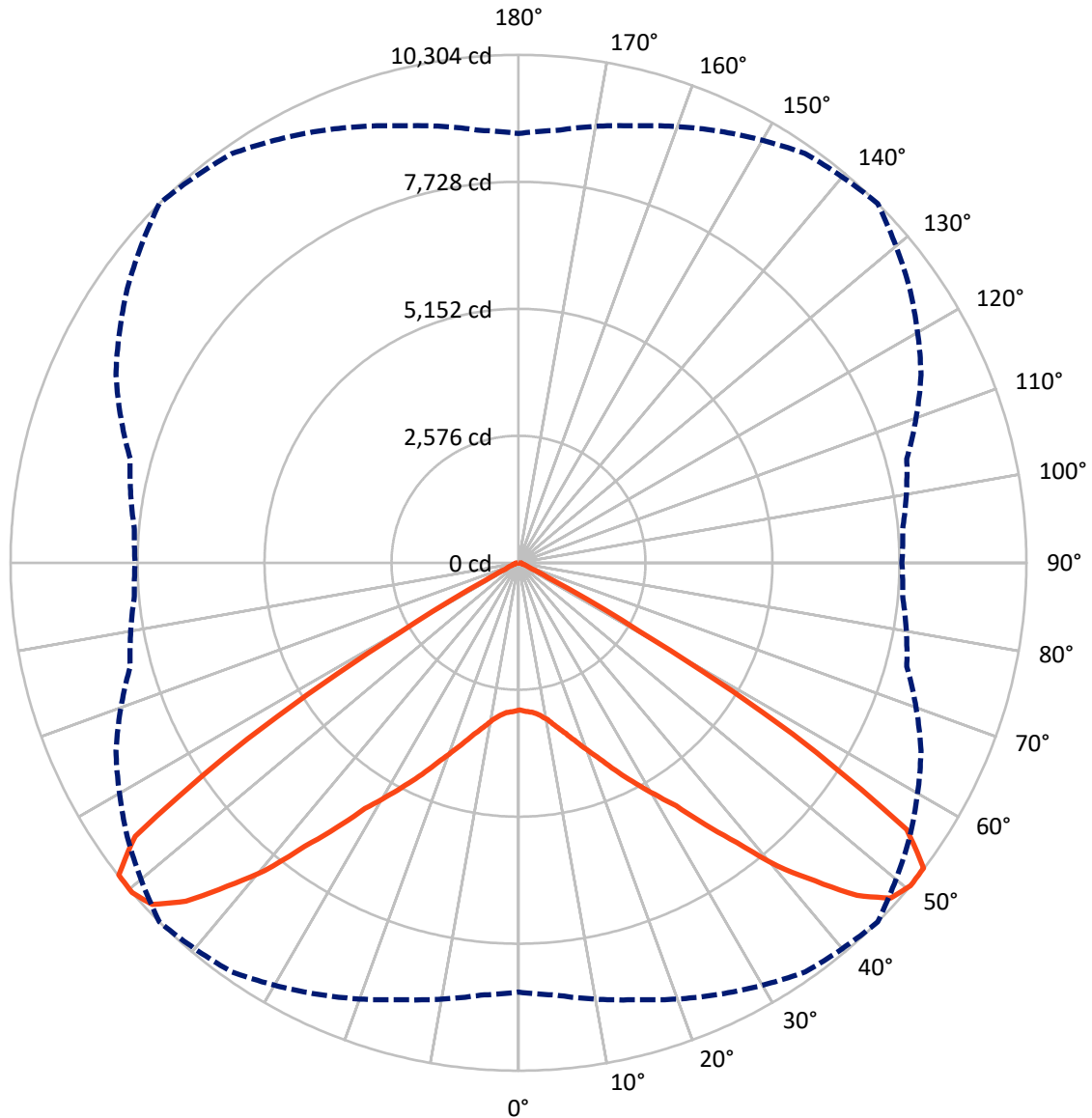
× Max cd  
 - - - 1/2 Max cd



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 50-Deg Vertical

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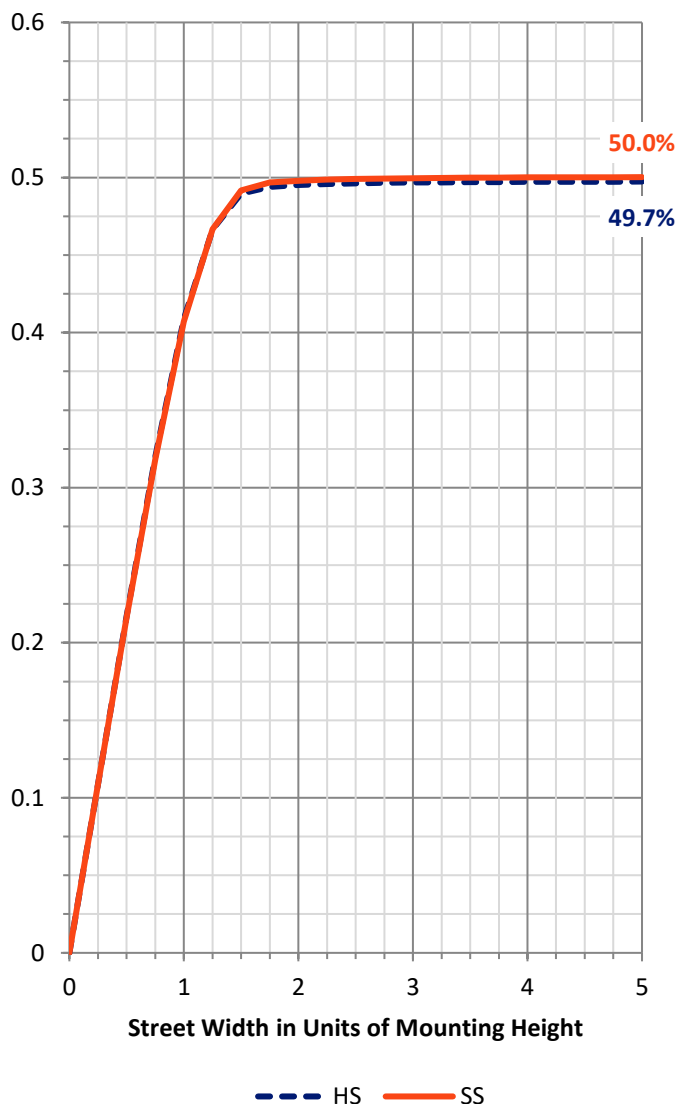
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10770.3	0.0	10770.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10770.3	0.0	10770.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21540.5	0.0	21540.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	297.1	1.4
10°-20°	1024.0	4.8
20°-30°	2091.3	9.7
30°-40°	3988.2	18.5
40°-50°	6720.7	31.2
50°-60°	6409.4	29.8
60°-70°	894.7	4.2
70°-80°	85.6	0.4
80°-90°	29.6	0.1
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°	21540.5	100.0
0°-180°	21540.5	100.0

**Coefficient of Utilization**



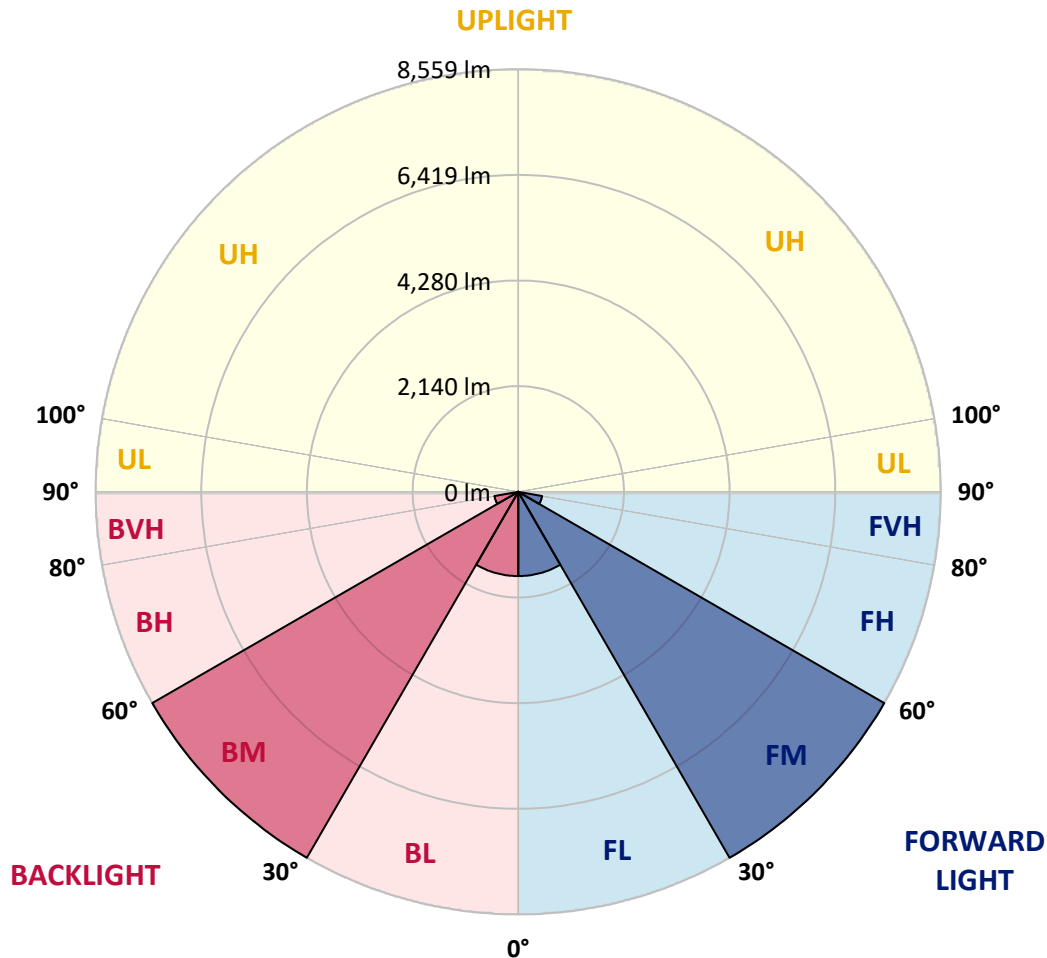
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1706.2	7.9			
FM (30°-60°)	8559.1	39.7			
FH (60°-80°)	490.1	2.3			G0/660
FVH (80°-90°)	14.8	0.1			G1/100
BL (0°-30°)	1706.2	7.9	B3/2500		
BM (30°-60°)	8559.1	39.7	B5		
BH (60°-80°)	490.1	2.3	B1/500		G0/660
BVH (80°-90°)	14.8	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2986.4	2986.4	2986.4	2986.4	2986.4	2986.4	2986.4	2986.4	2986.4	2986.4	2986.4
2.5°	2975.5	2975.5	2971.8	3000.9	2986.4	3018.9	3015.3	3026.3	3037.1	3033.5	3062.5
5°	2950.1	2946.5	2946.5	2979.1	3011.7	3048.0	3080.6	3102.4	3138.6	3138.6	3174.9
7.5°	2975.5	2957.4	2982.8	2997.2	3058.8	3120.4	3174.9	3218.3	3301.7	3330.7	3319.8
10°	2982.8	3004.5	3022.6	3066.1	3142.2	3236.4	3283.5	3392.3	3486.5	3551.7	3566.3
12.5°	3029.9	3062.5	3113.2	3218.3	3287.1	3410.4	3475.6	3580.7	3711.2	3783.7	3834.5
15°	3120.4	3131.3	3196.6	3330.7	3479.2	3591.6	3693.1	3769.2	3896.0	3979.4	3983.1
17.5°	3236.4	3283.5	3374.2	3501.0	3656.8	3823.5	3903.2	3986.7	4033.8	4146.1	4171.4
20°	3468.4	3475.6	3562.6	3729.3	3925.0	4077.3	4135.2	4178.8	4160.6	4276.6	4298.4
22.5°	3685.9	3693.1	3801.8	4026.5	4236.7	4367.1	4392.5	4367.1	4312.8	4396.2	4403.4
25°	3906.9	3972.1	4051.9	4276.6	4537.5	4711.5	4715.2	4646.3	4533.9	4548.4	4584.6
27.5°	4251.2	4298.4	4381.7	4588.2	4874.6	5070.3	5037.7	4954.3	4809.3	4820.2	4809.3
30°	4653.5	4697.0	4765.9	5030.4	5240.6	5454.5	5501.6	5421.8	5204.4	5157.3	5211.6
32.5°	5139.2	5200.7	5327.6	5570.4	5748.0	5878.5	5911.1	5882.1	5679.2	5661.0	5697.3
35°	5729.9	5813.2	5929.2	6143.1	6288.0	6523.6	6523.6	6425.7	6240.9	6262.7	6259.1
37.5°	6353.3	6476.5	6657.7	6875.2	7070.9	7197.7	7157.8	7074.5	6889.6	6842.5	6889.6
40°	7136.1	7197.7	7426.0	7708.7	7948.0	8092.9	7922.6	7741.3	7299.2	7368.0	7494.9
42.5°	7850.1	7948.0	8121.9	8433.5	8705.4	8824.9	8622.0	8263.2	7730.5	7676.1	7770.3
45°	8458.9	8564.1	8792.3	9238.1	9524.5	9629.5	9180.2	8600.2	7991.4	7853.7	7893.5
47.5°	8864.8	8919.2	9238.1	9662.2	9923.1	10162.3	9517.2	8832.3	8114.6	7853.7	7839.2
50°	8709.0	8803.3	9176.5	9658.5	10133.3	10303.7	9687.6	9009.8	8154.5	7821.0	7777.6
52.5°	7734.1	7897.2	8314.0	8962.7	9680.3	10289.1	9923.1	8951.9	8140.0	7853.7	7918.9
55°	5382.0	5385.6	5893.0	6849.8	8118.3	9553.4	9578.8	9017.0	8234.2	8056.6	8060.2
57.5°	2163.6	2272.4	2660.2	3620.6	4791.3	6559.8	7799.3	8364.7	8245.1	8201.6	8314.0
60°	547.2	550.9	670.4	1022.1	1685.3	2812.4	4084.5	5527.0	6364.1	6650.5	6690.3
62.5°	279.0	282.7	311.7	362.4	460.3	753.9	1341.0	2127.4	3026.3	3482.9	3602.5
65°	228.3	228.3	246.4	271.8	275.4	290.0	347.9	496.5	721.2	819.0	830.0
67.5°	174.0	174.0	188.5	202.9	210.2	206.5	199.3	206.5	250.0	239.2	231.9
70°	108.7	112.4	119.6	134.1	141.4	145.0	148.6	155.8	177.6	184.9	177.6
72.5°	65.3	65.3	68.9	79.7	90.6	97.9	108.7	116.0	126.8	145.0	141.4
75°	29.0	29.0	36.2	47.1	58.0	68.9	79.7	90.6	97.9	108.7	112.4
77.5°	7.2	10.8	18.1	32.6	43.5	58.0	72.5	83.3	90.6	90.6	87.0
80°	3.6	3.6	14.5	25.4	47.1	61.6	79.7	87.0	97.9	90.6	79.7
82.5°	3.6	3.6	14.5	25.4	43.5	61.6	83.3	94.2	101.5	90.6	76.1
85°	0.0	3.6	10.8	21.8	36.2	43.5	36.2	25.4	14.5	14.5	10.8
87.5°	0.0	0.0	3.6	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)