

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: P533161

Luminaire Tested: **GALN-SA8C-750-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533161  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA8C-750-U-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34071 lumens  
Efficiency: N/A  
Efficacy: 79.4 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

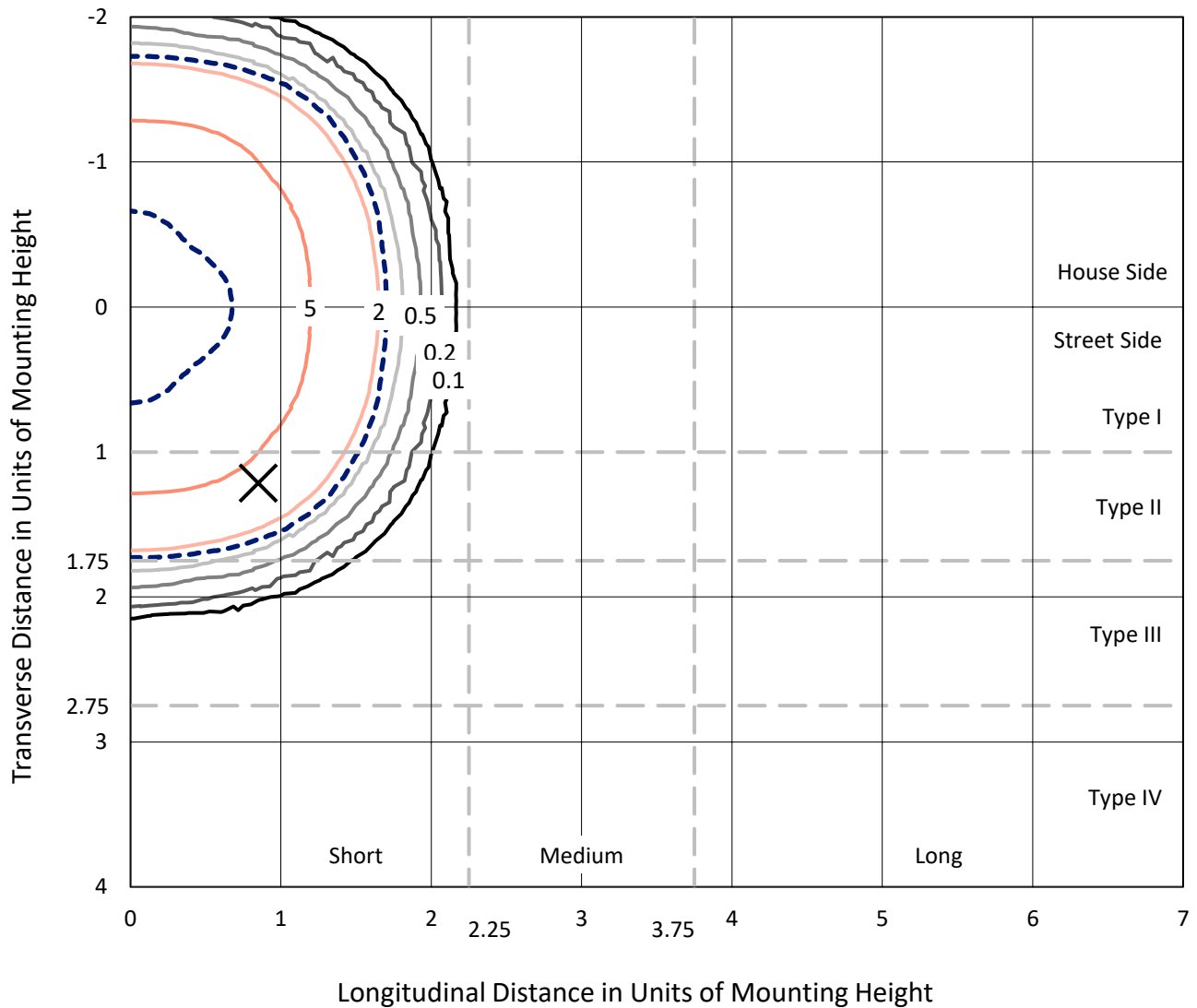
Input Watts (W): 429  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

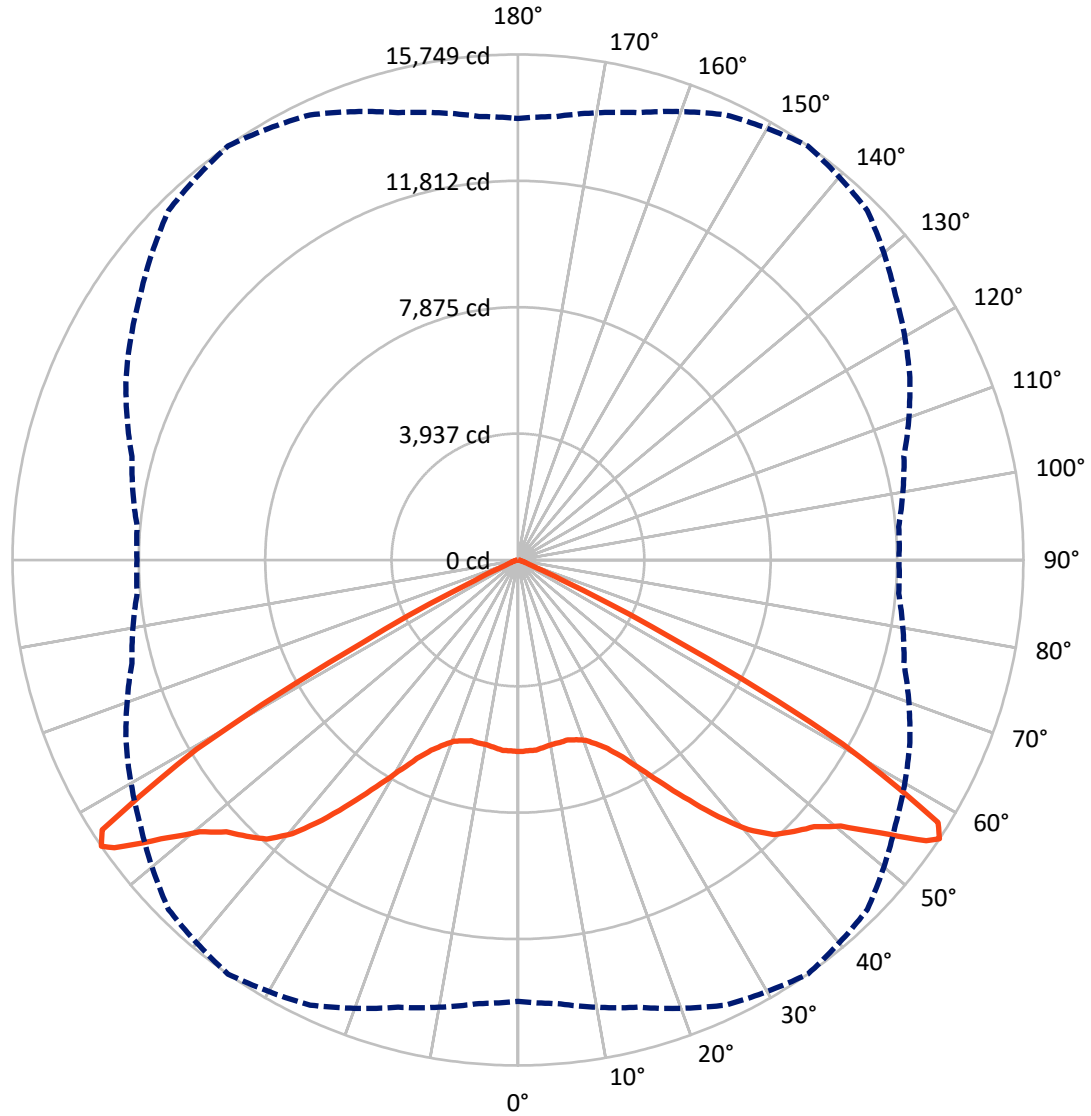
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 56-Deg Vertical

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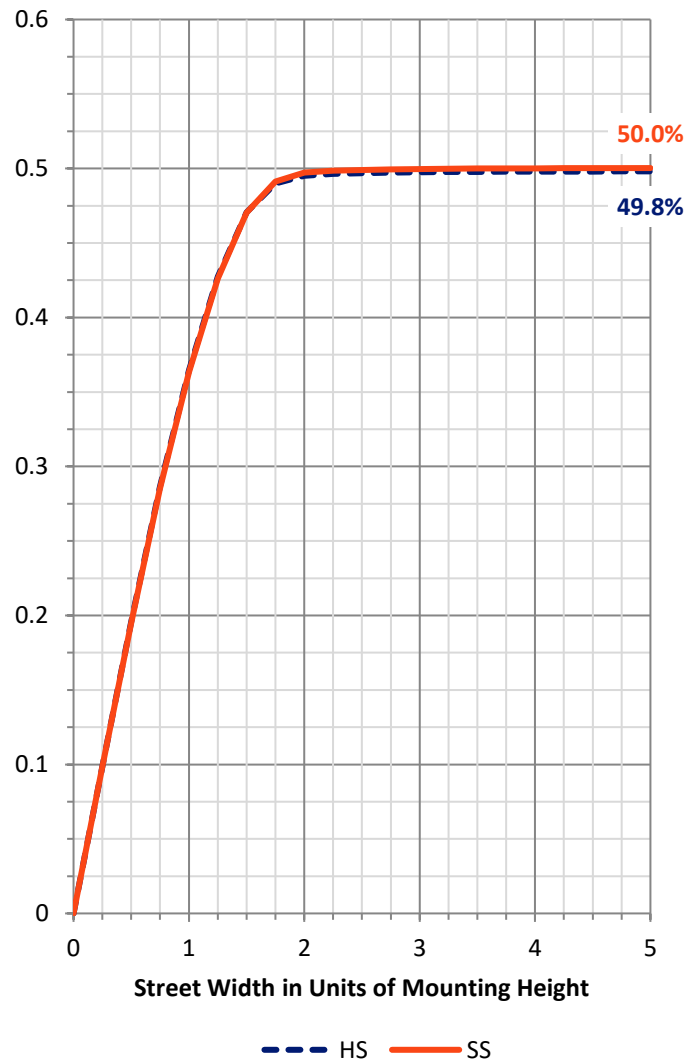
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17035.5	0.0	17035.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	17035.5	0.0	17035.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	34071.0	0.0	34071.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	561.1	1.6
10°-20°	1638.1	4.8
20°-30°	2966.4	8.7
30°-40°	5500.7	16.1
40°-50°	9029.0	26.5
50°-60°	11632.1	34.1
60°-70°	2563.6	7.5
70°-80°	148.7	0.4
80°-90°	31.3	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°	34071.0	100.0
0°-180°	34071.0	100.0



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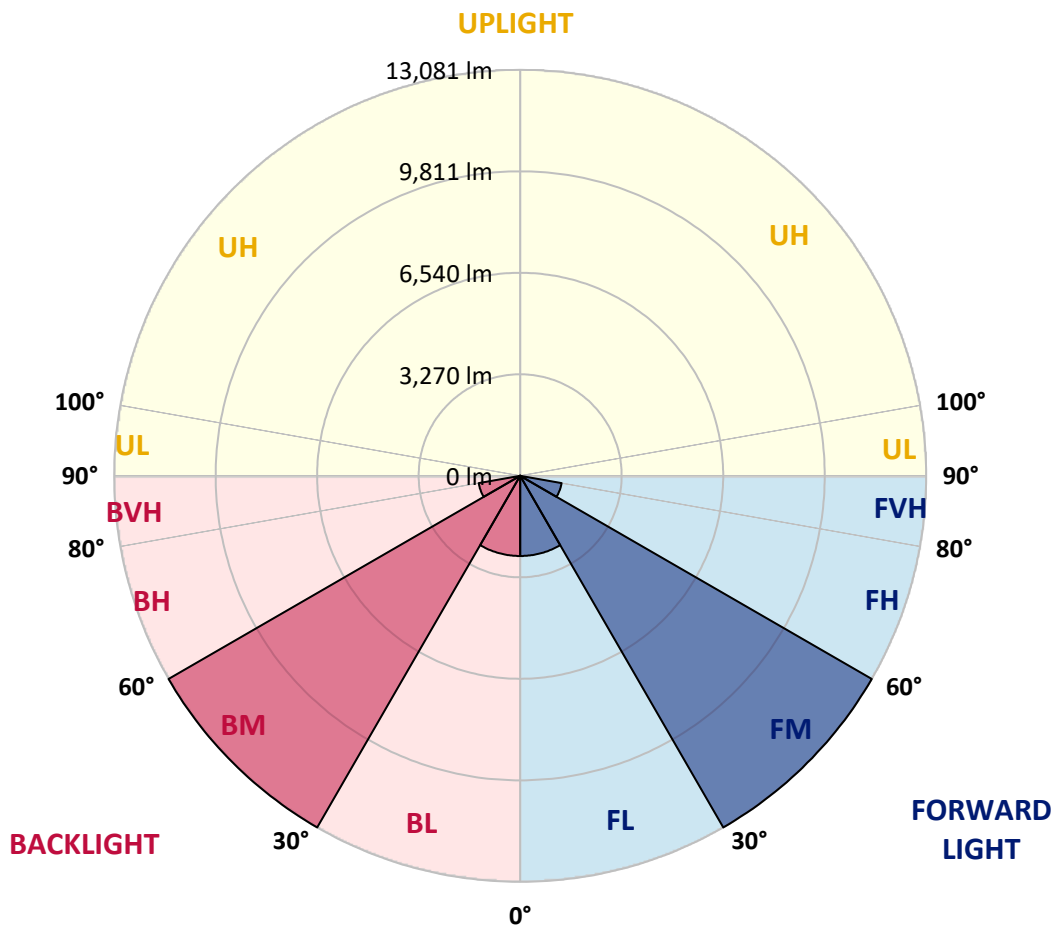
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2582.8	7.6			
FM (30°-60°)	13080.9	38.4			
FH (60°-80°)	1356.2	4.0			G1/1800
FVH (80°-90°)	15.7	0.0			G1/100
BL (0°-30°)	2582.8	7.6	B4/5000		
BM (30°-60°)	13080.9	38.4	B5		
BH (60°-80°)	1356.2	4.0	B3/2500		G1/1800
BVH (80°-90°)	15.7	0.0			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°	5970.0	5970.0	5970.0	5970.0	5970.0	5970.0	5970.0	5970.0	5970.0	5970.0	5970.0
2.5°	5982.3	5982.3	5988.5	5994.7	5951.5	5932.9	5939.1	5926.8	5920.6	5939.1	5939.1
5°	5963.8	5963.8	5945.3	5951.5	5951.5	5895.9	5895.9	5908.2	5908.2	5871.2	5858.8
7.5°	5914.4	5902.1	5877.4	5908.2	5889.7	5889.7	5846.5	5815.6	5803.3	5828.0	5803.3
10°	5809.5	5815.6	5840.3	5852.7	5840.3	5877.4	5803.3	5760.1	5716.9	5698.3	5698.3
12.5°	5760.1	5797.1	5760.1	5790.9	5834.2	5803.3	5760.1	5729.2	5667.5	5642.8	5642.8
15°	5753.9	5778.6	5790.9	5834.2	5815.6	5828.0	5741.5	5704.5	5611.9	5568.7	5550.2
17.5°	5747.7	5778.6	5797.1	5877.4	5889.7	5895.9	5828.0	5716.9	5636.6	5593.4	5550.2
20°	5815.6	5828.0	5865.0	5945.3	5994.7	6081.1	5957.6	5840.3	5667.5	5618.1	5599.5
22.5°	5902.1	5963.8	6000.8	6087.3	6216.9	6291.0	6130.5	5982.3	5803.3	5741.5	5667.5
25°	6179.9	6167.5	6229.3	6408.3	6513.3	6568.8	6439.2	6223.1	5988.5	5914.4	5926.8
27.5°	6525.6	6538.0	6593.5	6791.1	6945.4	7031.8	6877.5	6593.5	6365.1	6241.6	6229.3
30°	6976.3	6963.9	7025.7	7291.1	7569.0	7698.6	7427.0	7093.6	6871.3	6710.8	6747.9
32.5°	7451.7	7457.8	7630.7	7871.5	8322.2	8575.3	8136.9	7729.5	7396.1	7285.0	7229.4
35°	8155.5	8186.3	8322.2	8692.6	9192.6	9519.9	9038.3	8550.6	8167.8	7964.1	7988.8
37.5°	9026.0	8995.1	9223.5	9624.8	10149.6	10390.3	9982.9	9427.2	9038.3	8902.5	8988.9
40°	9952.0	9982.9	10100.2	10464.4	11050.9	11211.4	10606.4	10303.9	9964.4	9896.4	10001.4
42.5°	10878.1	10859.5	10946.0	11273.2	11699.2	11588.0	11230.0	11050.9	10810.2	10674.3	10816.3
45°	11557.2	11526.3	11686.8	11909.1	12063.4	11853.5	11693.0	11631.3	11507.8	11359.6	11489.3
47.5°	12217.8	12193.1	12347.4	12409.1	12421.5	12143.7	12174.5	12285.7	11977.0	11668.3	11816.5
50°	12779.6	12736.4	12927.7	13063.6	13032.7	12588.2	12699.3	12588.2	12106.6	11742.4	11686.8
52.5°	13718.0	13736.5	13940.2	14187.2	14113.1	13742.7	13582.1	13075.9	12458.5	12131.3	11939.9
55°	14310.6	14218.0	14569.9	15354.0	15440.4	15057.7	14347.7	13600.7	12674.6	12273.3	12223.9
56°	13755.0	13872.3	14427.9	15304.6	15749.1	15397.2	14366.2	13471.0	12452.4	11909.1	11872.0
57.5°	12341.2	12279.5	13032.7	14230.4	15440.4	15292.3	13860.0	12545.0	11359.6	10748.4	10674.3
60°	7680.1	7859.1	8519.7	10001.4	11618.9	11693.0	10273.0	9143.3	7760.3	7217.1	7346.7
62.5°	3006.6	2852.3	3265.9	4371.0	5482.2	5729.2	5192.1	4315.4	3543.7	3006.6	2969.6
65°	697.6	679.1	765.5	1055.7	1475.5	1710.1	1623.7	1166.8	858.1	814.9	753.2
67.5°	395.1	395.1	376.6	376.6	413.6	438.3	419.8	413.6	432.2	450.7	444.5
70°	277.8	271.6	259.3	265.5	253.1	253.1	271.6	302.5	327.2	327.2	333.4
72.5°	166.7	166.7	166.7	185.2	185.2	185.2	203.7	228.4	234.6	228.4	222.3
75°	74.1	74.1	86.4	105.0	117.3	123.5	142.0	154.3	166.7	154.3	142.0
77.5°	18.5	18.5	30.9	43.2	55.6	67.9	92.6	111.1	117.3	111.1	92.6
80°	6.2	6.2	12.3	30.9	55.6	67.9	92.6	98.8	105.0	92.6	74.1
82.5°	6.2	6.2	12.3	30.9	43.2	55.6	74.1	86.4	92.6	80.3	74.1
85°	0.0	6.2	12.3	24.7	37.0	49.4	49.4	37.0	30.9	18.5	24.7
87.5°	0.0	0.0	6.2	6.2	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)