

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: P531245

Luminaire Tested: **GALN-SA6C-735-U-RW-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531245  
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-SA6C-735-U-RW-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 1050mA 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: 25098 lumens  
Efficiency: N/A  
Efficacy: 78.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

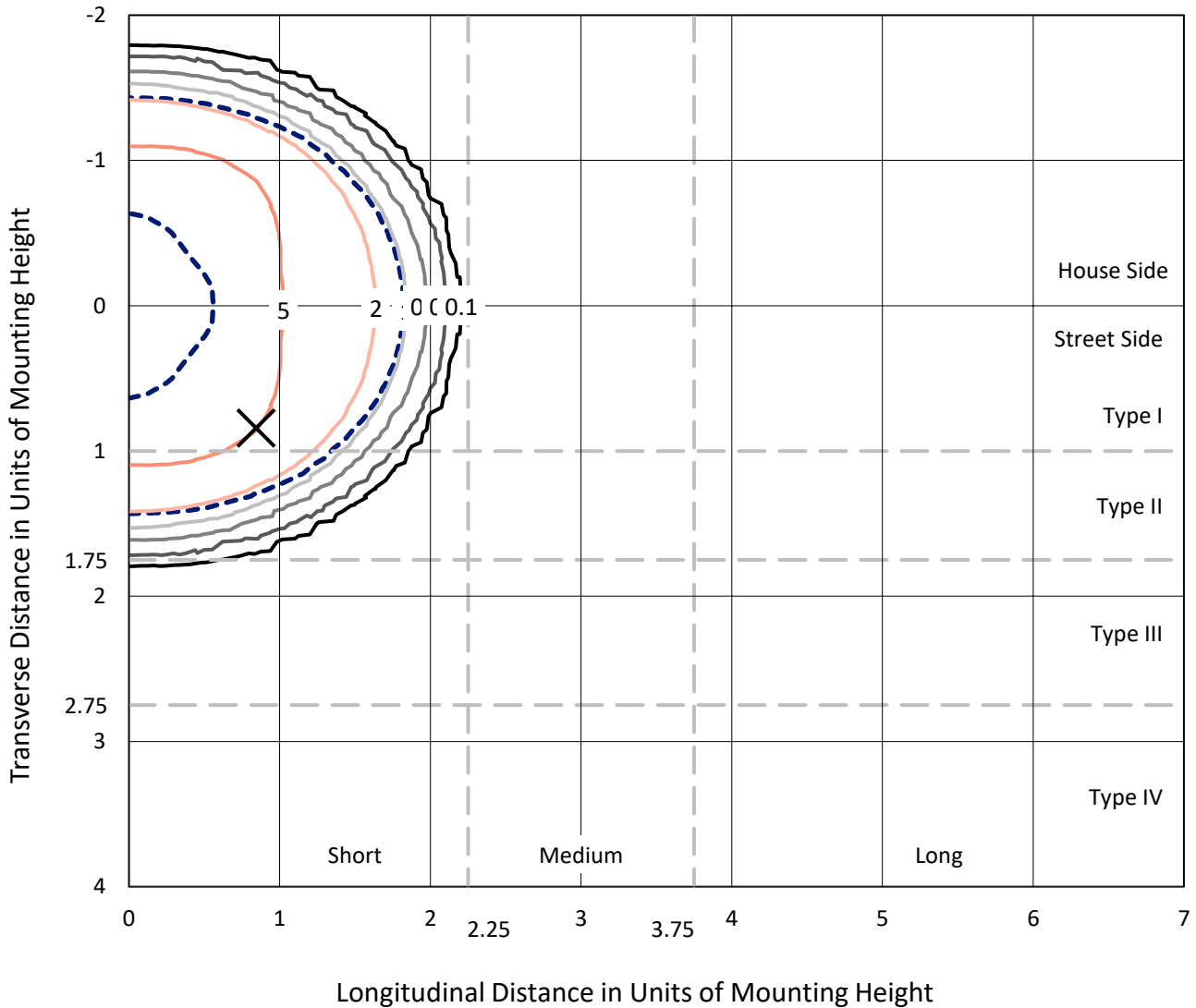
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

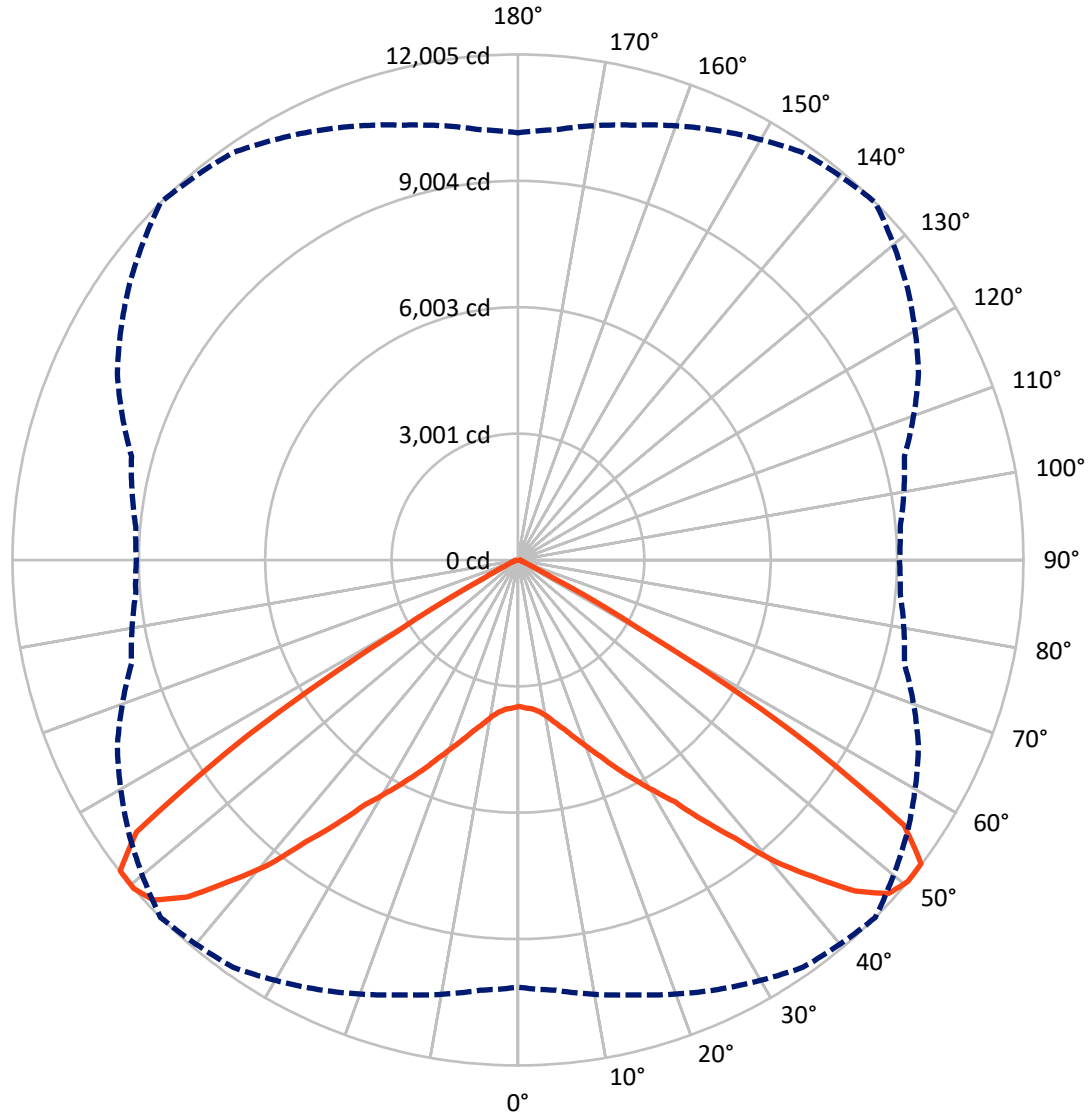
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 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	12549.0	0.0	12549.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12549.0	0.0	12549.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25098.0	0.0	25098.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	346.2	1.4
10°-20°	1193.1	4.8
20°-30°	2436.7	9.7
30°-40°	4646.9	18.5
40°-50°	7830.6	31.2
50°-60°	7467.9	29.8
60°-70°	1042.5	4.2
70°-80°	99.7	0.4
80°-90°	34.5	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°	25098.0	100.0
0°-180°	25098.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P531245

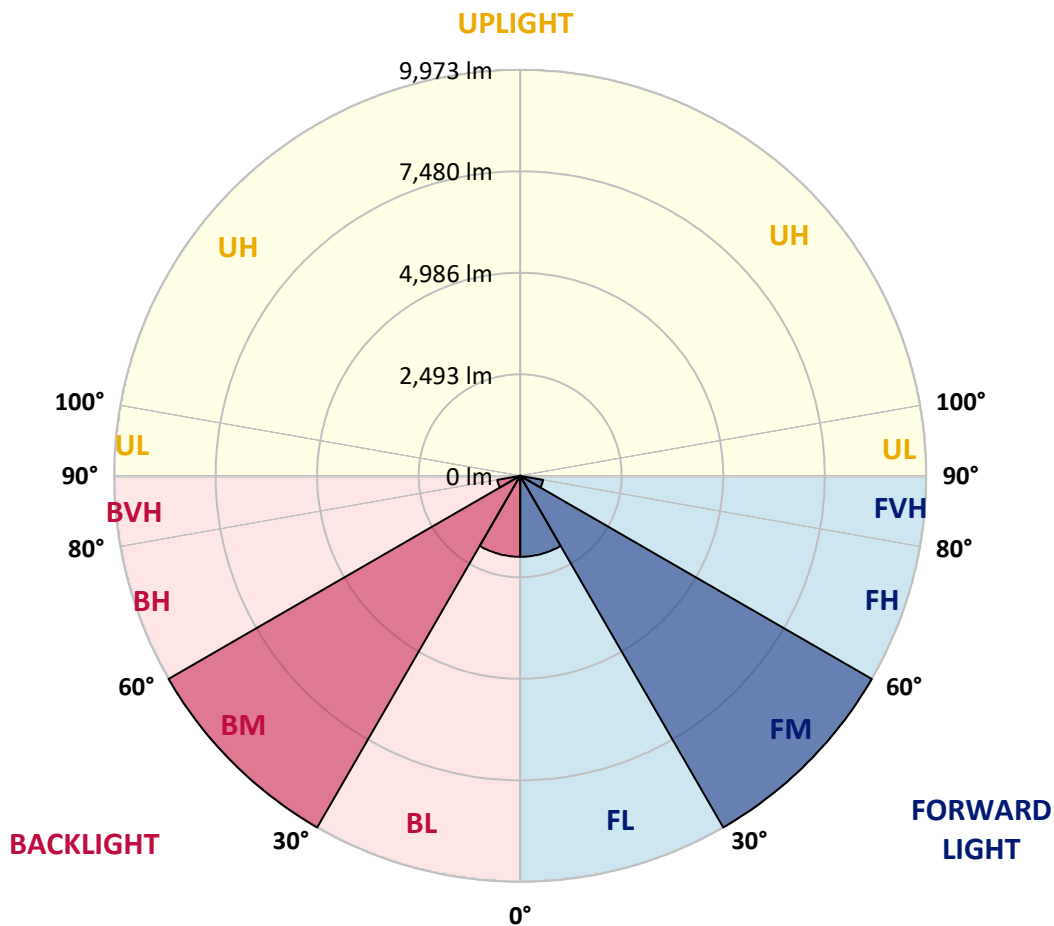
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1988.0	7.9			
FM (30°-60°)	9972.7	39.7			
FH (60°-80°)	571.1	2.3			G0/660
FVH (80°-90°)	17.2	0.1			G1/100
BL (0°-30°)	1988.0	7.9	B3/2500		
BM (30°-60°)	9972.7	39.7	B5		
BH (60°-80°)	571.1	2.3	B2/1000		G0/660
BVH (80°-90°)	17.2	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°	3479.6	3479.6	3479.6	3479.6	3479.6	3479.6	3479.6	3479.6	3479.6	3479.6	3479.6
2.5°	3466.9	3466.9	3462.7	3496.5	3479.6	3517.6	3513.3	3526.0	3538.7	3534.5	3568.2
5°	3437.3	3433.1	3433.1	3471.1	3509.1	3551.3	3589.4	3614.7	3656.9	3656.9	3699.1
7.5°	3466.9	3445.8	3475.3	3492.2	3564.0	3635.8	3699.1	3749.8	3846.9	3880.7	3868.1
10°	3475.3	3500.7	3521.8	3572.5	3661.1	3770.9	3825.8	3952.5	4062.3	4138.3	4155.2
12.5°	3530.2	3568.2	3627.4	3749.8	3830.1	3973.6	4049.6	4172.1	4324.1	4408.6	4467.7
15°	3635.8	3648.5	3724.5	3880.7	4053.9	4184.8	4303.0	4391.7	4539.5	4636.6	4640.8
17.5°	3770.9	3825.8	3931.4	4079.2	4260.8	4455.0	4547.9	4645.0	4699.9	4830.8	4860.4
20°	4041.2	4049.6	4151.0	4345.2	4573.3	4750.6	4818.2	4868.9	4847.7	4982.9	5008.2
22.5°	4294.6	4303.0	4429.7	4691.5	4936.4	5088.4	5118.0	5088.4	5025.1	5122.2	5130.7
25°	4552.1	4628.2	4721.1	4982.9	5286.9	5489.6	5493.8	5413.6	5282.7	5299.6	5341.8
27.5°	4953.3	5008.2	5105.3	5346.0	5679.6	5907.7	5869.6	5772.5	5603.6	5616.3	5603.6
30°	5422.0	5472.7	5552.9	5861.2	6106.1	6355.3	6410.2	6317.3	6063.9	6009.0	6072.3
32.5°	5987.9	6059.7	6207.5	6490.4	6697.3	6849.3	6887.3	6853.6	6617.1	6596.0	6638.2
35°	6676.2	6773.3	6908.4	7157.6	7326.5	7601.0	7601.0	7487.0	7271.6	7296.9	7292.7
37.5°	7402.5	7546.1	7757.2	8010.6	8238.6	8386.4	8340.0	8242.8	8027.5	7972.6	8027.5
40°	8314.6	8386.4	8652.5	8981.8	9260.5	9429.4	9231.0	9019.8	8504.7	8584.9	8732.7
42.5°	9146.5	9260.5	9463.2	9826.4	10143.1	10282.4	10046.0	9627.9	9007.2	8943.8	9053.6
45°	9855.9	9978.4	10244.4	10763.8	11097.4	11219.9	10696.3	10020.6	9311.2	9150.7	9197.2
47.5°	10328.9	10392.2	10763.8	11257.9	11561.9	11840.6	11089.0	10290.9	9454.8	9150.7	9133.8
50°	10147.3	10257.1	10692.1	11253.7	11806.9	12005.3	11287.5	10497.8	9501.2	9112.7	9062.1
52.5°	9011.4	9201.4	9687.0	10442.9	11279.0	11988.4	11561.9	10430.2	9484.3	9150.7	9226.8
55°	6270.8	6275.0	6866.2	7981.0	9459.0	11131.2	11160.8	10506.2	9594.1	9387.2	9391.4
57.5°	2521.0	2647.7	3099.5	4218.5	5582.5	7643.2	9087.4	9746.2	9606.8	9556.1	9687.0
60°	637.6	641.9	781.2	1190.8	1963.6	3276.9	4759.1	6439.7	7415.2	7748.8	7795.2
62.5°	325.2	329.4	363.2	422.3	536.3	878.3	1562.4	2478.8	3526.0	4058.1	4197.4
65°	266.0	266.0	287.1	316.7	320.9	337.8	405.4	578.5	840.3	954.3	967.0
67.5°	202.7	202.7	219.6	236.5	244.9	240.7	232.3	240.7	291.4	278.7	270.3
70°	126.7	130.9	139.4	156.2	164.7	168.9	173.1	181.6	206.9	215.4	206.9
72.5°	76.0	76.0	80.2	92.9	105.6	114.0	126.7	135.1	147.8	168.9	164.7
75°	33.8	33.8	42.2	54.9	67.6	80.2	92.9	105.6	114.0	126.7	130.9
77.5°	8.4	12.7	21.1	38.0	50.7	67.6	84.5	97.1	105.6	105.6	101.3
80°	4.2	4.2	16.9	29.6	54.9	71.8	92.9	101.3	114.0	105.6	92.9
82.5°	4.2	4.2	16.9	29.6	50.7	71.8	97.1	109.8	118.2	105.6	88.7
85°	0.0	4.2	12.7	25.3	42.2	50.7	42.2	29.6	16.9	16.9	12.7
87.5°	0.0	0.0	4.2	4.2	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)