

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: P531005

Luminaire Tested: **GALN-SA6B-735-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531005  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6B-735-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 21593 lumens  
Efficiency: N/A  
Efficacy: 88.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

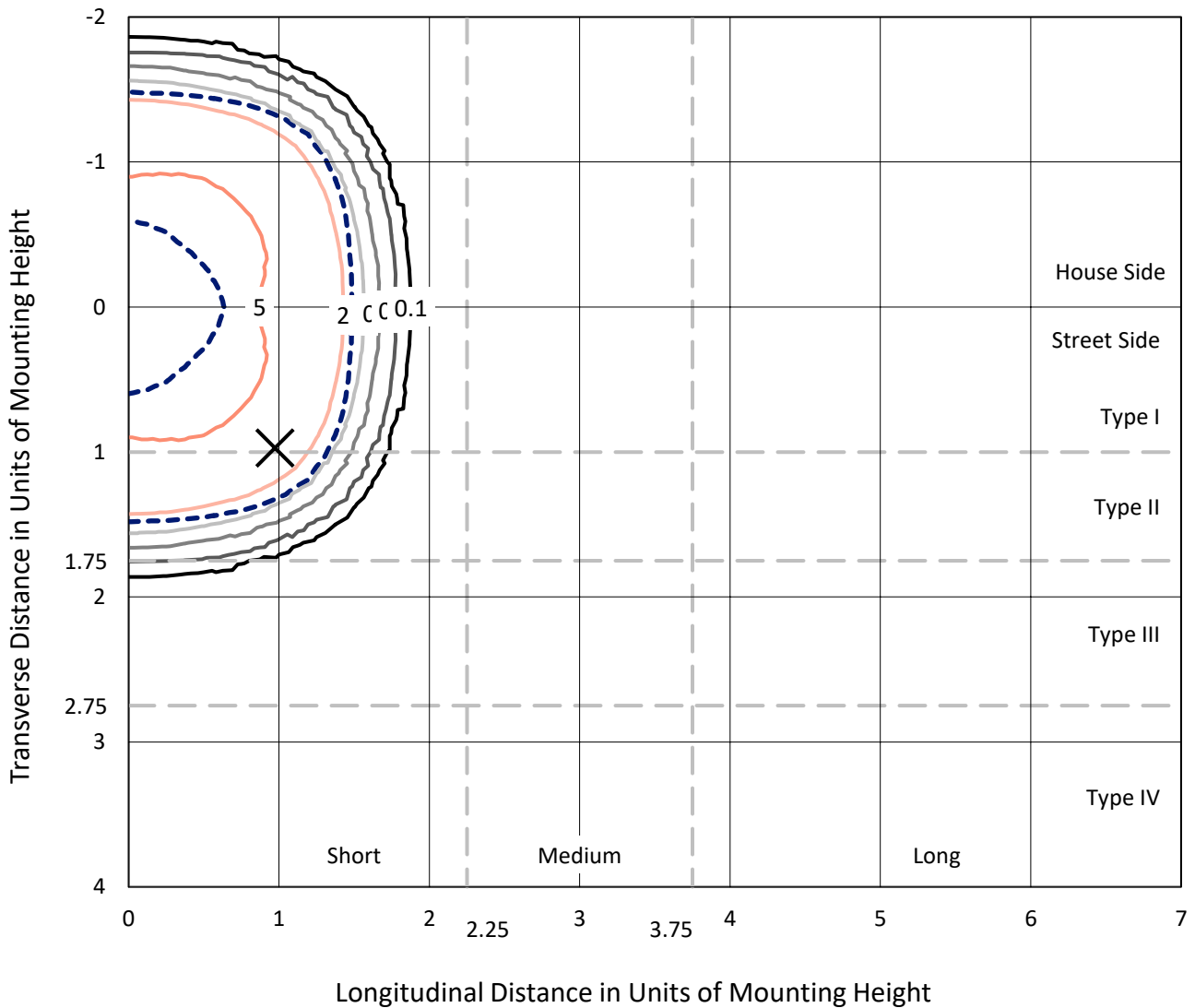
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

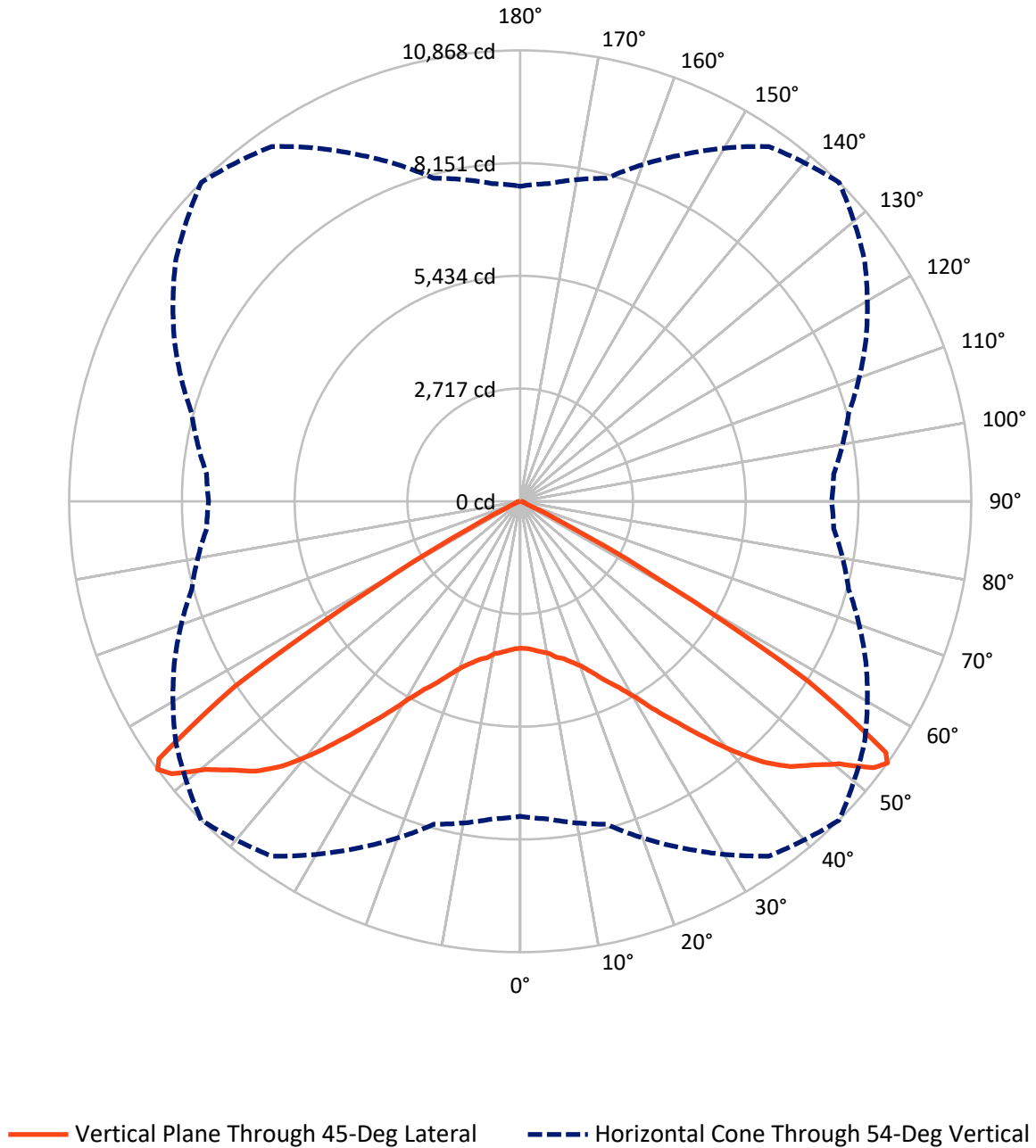
✕ Max cd  
 - - - 1/2 Max cd



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



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10796.5	0.0	10796.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	10796.5	0.0	10796.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	21593.0	0.0	21593.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	346.5	1.6
10°-20°	1122.2	5.2
20°-30°	2199.5	10.2
30°-40°	3955.1	18.3
40°-50°	6770.4	31.4
50°-60°	6551.0	30.3
60°-70°	560.8	2.6
70°-80°	66.5	0.3
80°-90°	20.8	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°	21593.0	100.0
0°-180°	21593.0	100.0

**Coefficient of Utilization**



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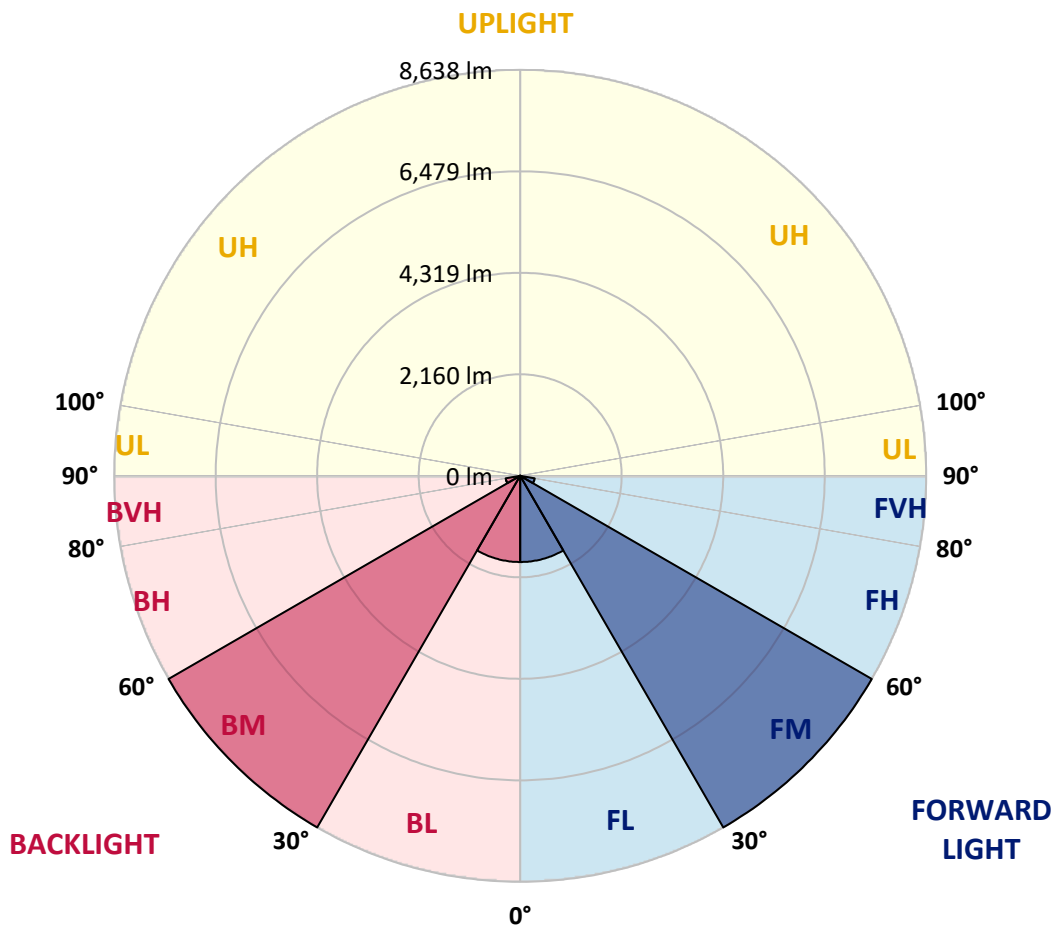
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1834.1	8.5			
FM (30°-60°)	8638.3	40.0			
FH (60°-80°)	313.6	1.5			G0/660
FVH (80°-90°)	10.4	0.0			G1/100
BL (0°-30°)	1834.1	8.5	B3/2500		
BM (30°-60°)	8638.3	40.0	B5		
BH (60°-80°)	313.6	1.5	B1/500		G0/660
BVH (80°-90°)	10.4	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°	3540.6	3540.6	3540.6	3540.6	3540.6	3540.6	3540.6	3540.6	3540.6	3540.6	3540.6
2.5°	3557.7	3578.2	3564.5	3574.8	3574.8	3557.7	3567.9	3526.9	3554.3	3533.7	3537.2
5°	3612.4	3609.0	3609.0	3612.4	3598.7	3605.6	3591.9	3578.2	3567.9	3554.3	3595.3
7.5°	3680.8	3680.8	3656.9	3663.7	3656.9	3667.2	3639.8	3612.4	3602.2	3591.9	3585.1
10°	3745.8	3739.0	3728.7	3759.5	3735.6	3721.9	3708.2	3691.1	3653.5	3639.8	3626.1
12.5°	3841.6	3838.2	3824.5	3855.3	3841.6	3855.3	3804.0	3759.5	3752.7	3708.2	3732.1
15°	3954.5	3985.3	3961.3	3961.3	3954.5	3937.4	3916.9	3896.3	3834.8	3817.7	3821.1
17.5°	4101.6	4091.3	4094.8	4094.8	4129.0	4084.5	4043.4	3992.1	3961.3	3951.1	3916.9
20°	4241.9	4255.5	4252.1	4276.1	4296.6	4248.7	4204.2	4197.4	4111.9	4125.5	4077.7
22.5°	4488.2	4477.9	4495.0	4512.1	4498.4	4491.6	4450.5	4399.2	4324.0	4289.7	4282.9
25°	4748.1	4731.0	4700.2	4741.3	4761.8	4792.6	4713.9	4686.6	4570.3	4518.9	4522.4
27.5°	4970.5	4994.4	5028.6	5045.8	5097.1	5086.8	5032.1	4943.1	4854.2	4796.0	4758.4
30°	5274.9	5288.6	5346.8	5370.7	5459.7	5483.6	5398.1	5295.5	5138.1	5062.9	5018.4
32.5°	5555.5	5651.2	5647.8	5767.6	5911.2	6010.4	5856.5	5699.1	5541.8	5452.8	5374.2
35°	6010.4	5993.3	6092.5	6219.1	6451.7	6564.6	6397.0	6215.7	5976.2	5832.5	5771.0
37.5°	6434.6	6441.5	6574.9	6776.7	7043.5	7218.0	7070.9	6773.3	6527.0	6342.3	6256.7
40°	7050.4	7064.1	7200.9	7430.1	7731.1	7919.3	7748.2	7447.2	7118.8	6975.1	6975.1
42.5°	7772.2	7830.3	7919.3	8117.7	8387.9	8596.6	8442.7	8206.6	7874.8	7690.1	7717.4
45°	8514.5	8541.9	8600.0	8894.2	9020.8	9123.4	8979.7	8870.3	8647.9	8422.1	8384.5
47.5°	9208.9	9219.2	9390.2	9482.6	9581.8	9496.3	9588.6	9445.0	9195.2	8976.3	8931.8
50°	9516.8	9499.7	9742.6	10023.1	10098.3	9947.8	9869.2	9773.4	9393.7	9130.2	9013.9
52.5°	8620.5	8719.7	9171.3	9951.3	10539.6	10666.2	10207.8	9766.5	9058.4	8545.3	8466.6
54°	7594.3	7686.6	8059.5	9215.8	10440.4	10868.0	10129.1	9191.8	8192.9	7584.0	7505.3
55°	6578.3	6475.7	7153.0	8333.2	9975.2	10690.2	9817.8	8449.5	7306.9	6749.3	6639.9
57.5°	3561.1	3578.2	4149.5	5264.7	7009.3	8196.4	7238.5	5716.2	4317.1	3691.1	3636.4
60°	1128.9	1156.2	1406.0	2127.8	3349.0	3999.0	3427.7	2295.4	1587.3	1272.6	1221.2
62.5°	352.3	366.0	400.2	595.2	916.8	1310.2	1026.3	615.8	458.4	420.8	427.6
65°	215.5	215.5	218.9	232.6	273.7	318.1	307.9	270.2	260.0	253.1	249.7
67.5°	140.3	136.8	143.7	153.9	160.8	164.2	174.5	184.7	181.3	174.5	174.5
70°	85.5	82.1	88.9	102.6	106.0	112.9	123.2	136.8	133.4	126.6	130.0
72.5°	47.9	47.9	51.3	61.6	71.8	78.7	88.9	99.2	102.6	99.2	99.2
75°	17.1	20.5	27.4	37.6	44.5	54.7	65.0	75.3	85.5	78.7	75.3
77.5°	6.8	6.8	13.7	23.9	34.2	44.5	61.6	71.8	78.7	71.8	65.0
80°	3.4	3.4	10.3	20.5	30.8	41.1	51.3	61.6	65.0	58.2	51.3
82.5°	3.4	3.4	10.3	20.5	30.8	37.6	54.7	61.6	68.4	61.6	51.3
85°	0.0	3.4	10.3	20.5	27.4	30.8	30.8	20.5	17.1	10.3	10.3
87.5°	0.0	0.0	3.4	0.0	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)