

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: P455049

Luminaire Tested: **GALN-SA6B-722-U-T1**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P455049  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6B-722-U-T1  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2200K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24761 lumens  
Efficiency: N/A  
Efficacy: 101.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type I - Short  
BUG Rating: B4 - U0 - G4

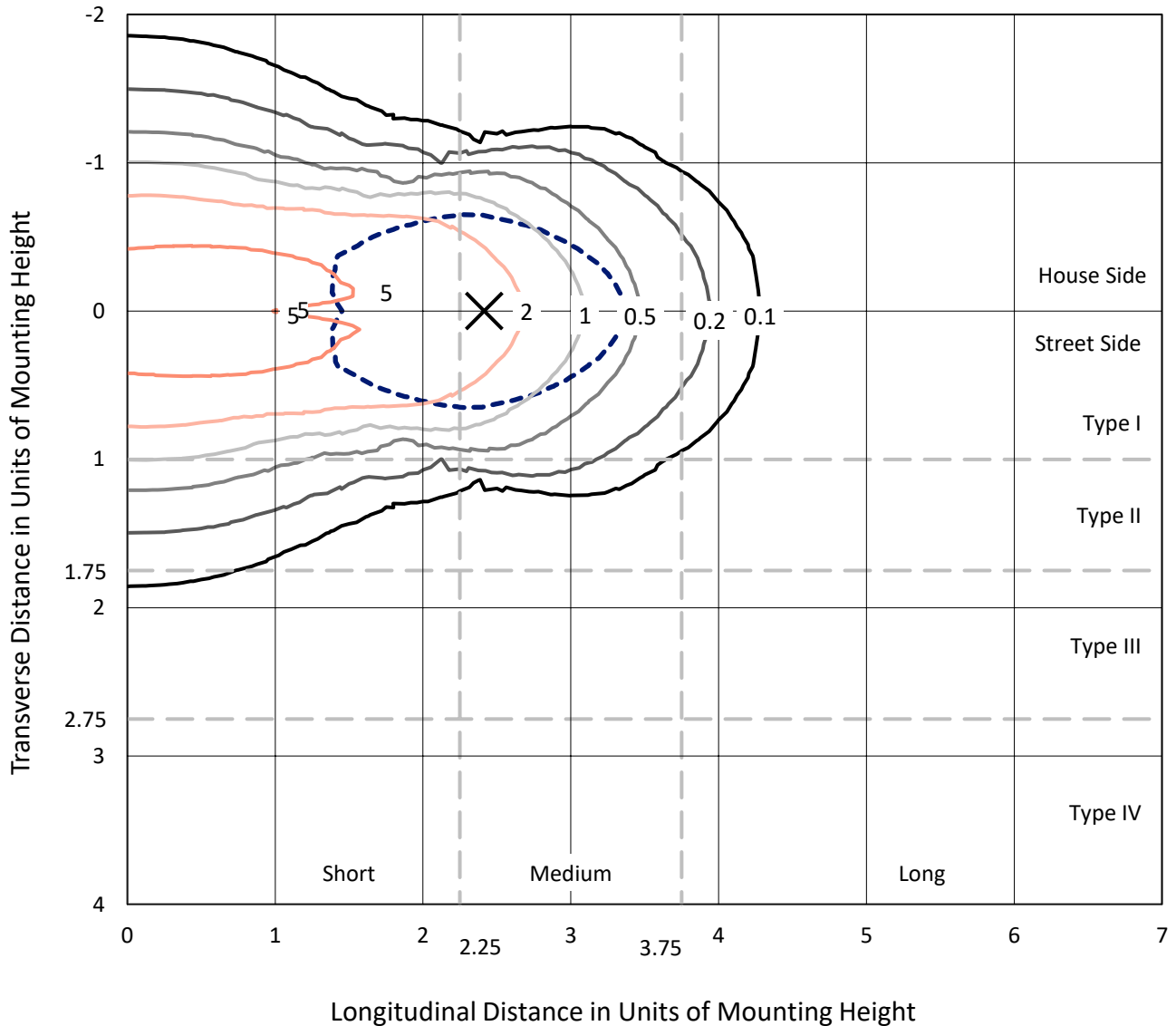
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

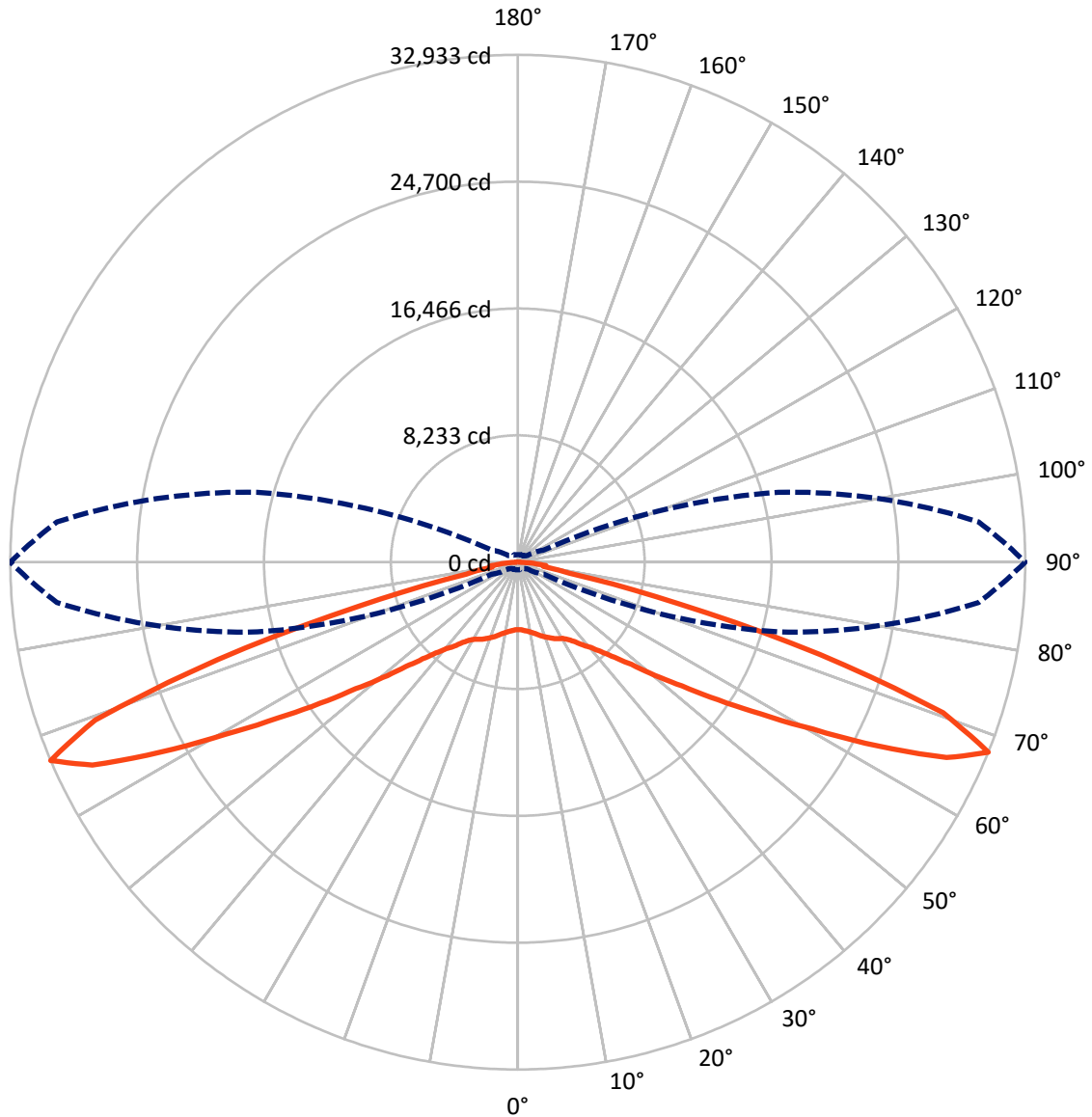
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc  
 Type I - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12380.5	0.0	12380.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12380.5	0.0	12380.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24761.0	0.0	24761.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	437.0	1.8
10°-20°	1398.3	5.6
20°-30°	2340.3	9.5
30°-40°	3170.5	12.8
40°-50°	4016.0	16.2
50°-60°	5017.0	20.3
60°-70°	5897.3	23.8
70°-80°	2256.0	9.1
80°-90°	228.6	0.9
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°	24761.0	100.0
0°-180°	24761.0	100.0



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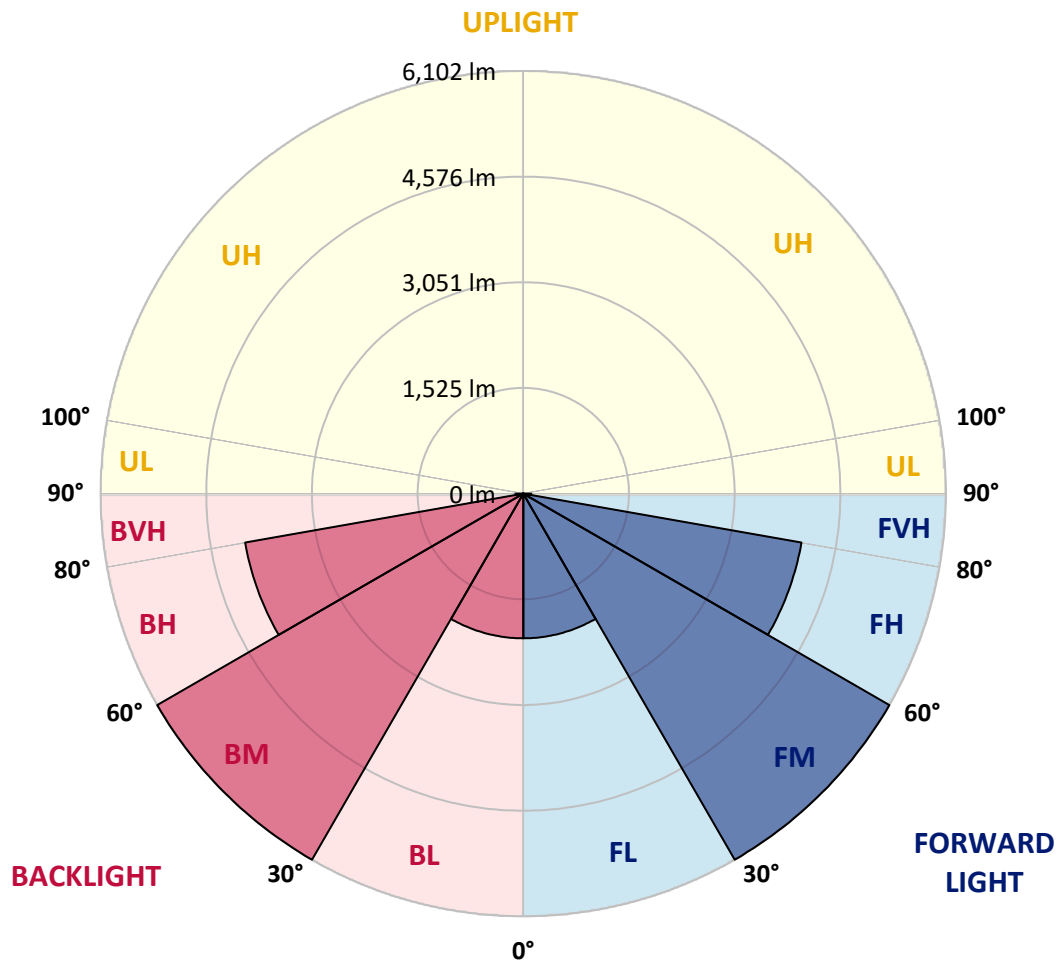
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2087.8	8.4			
FM (30°-60°)	6101.8	24.6			
FH (60°-80°)	4076.6	16.5			G2/5000
FVH (80°-90°)	114.3	0.5			G2/225
BL (0°-30°)	2087.8	8.4	B3/2500		
BM (30°-60°)	6101.8	24.6	B4/8500		
BH (60°-80°)	4076.6	16.5	B4/5000		G4/5000
BVH (80°-90°)	114.3	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G4**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4383.5	4383.5	4383.5	4383.5	4383.5	4383.5	4383.5	4383.5	4383.5	4383.5	4383.5
2.5°	4439.7	4436.9	4438.3	4436.9	4441.1	4438.3	4421.9	4408.1	4397.2	4398.6	4394.4
5°	4534.3	4535.7	4537.0	4530.2	4539.8	4534.3	4508.2	4486.3	4464.4	4456.1	4453.4
7.5°	4612.4	4619.3	4623.4	4630.3	4646.7	4646.7	4633.0	4601.5	4553.5	4526.1	4524.7
10°	4690.6	4696.1	4708.4	4730.4	4757.8	4783.8	4778.4	4735.8	4674.1	4627.5	4616.6
12.5°	4718.0	4724.9	4766.0	4829.1	4890.8	4941.5	4941.5	4907.2	4827.7	4756.4	4735.8
15°	4622.0	4634.4	4708.4	4842.8	5004.6	5115.6	5140.3	5092.3	5007.3	4897.6	4873.0
17.5°	4431.5	4461.6	4569.9	4768.8	5037.5	5267.8	5339.1	5315.8	5206.1	5066.3	5037.5
20°	4227.2	4260.1	4375.2	4638.5	5010.1	5357.0	5564.0	5569.5	5433.7	5230.8	5188.3
22.5°	4002.3	4027.0	4175.1	4483.6	4927.8	5377.5	5757.3	5851.9	5668.2	5395.4	5335.0
25°	3750.0	3777.4	3932.4	4265.6	4772.9	5354.2	5934.2	6142.6	5913.6	5570.9	5494.1
27.5°	3508.7	3519.7	3685.6	4024.2	4568.6	5293.9	6064.5	6410.0	6185.1	5716.2	5618.8
30°	3277.0	3303.0	3449.7	3784.3	4334.1	5176.0	6176.9	6714.4	6477.2	5868.4	5743.6
32.5°	3031.5	3063.1	3222.1	3560.8	4099.6	4999.1	6245.4	7047.6	6884.4	6115.2	5982.2
35°	2795.7	2816.3	2976.7	3305.8	3870.7	4793.4	6257.8	7423.2	7409.5	6489.5	6312.6
37.5°	2554.4	2584.6	2746.4	3061.7	3628.0	4575.4	6196.1	7822.2	8043.0	7009.2	6818.6
40°	2322.7	2348.7	2507.8	2825.9	3352.4	4309.4	6049.4	8187.0	8782.0	7543.9	7273.8
42.5°	2070.4	2077.2	2251.4	2575.0	3082.3	4000.9	5838.2	8511.9	9606.1	8261.0	7925.1
45°	1783.8	1801.7	1963.4	2281.5	2772.4	3655.4	5551.7	8780.6	10650.9	9255.1	8797.1
47.5°	1497.3	1512.3	1660.4	1974.4	2433.7	3259.2	5110.2	9016.5	11723.1	10517.9	9917.3
50°	1217.6	1225.8	1346.4	1624.8	2052.6	2842.3	4563.1	9091.9	12935.1	12305.8	11539.3
52.5°	962.5	974.9	1066.7	1284.7	1645.3	2350.1	3972.1	8905.4	14350.1	14425.5	13345.1
55°	780.2	784.3	852.8	1013.3	1286.1	1834.6	3259.2	8385.8	15872.1	17141.7	15763.8
57.5°	671.8	674.6	713.0	802.1	989.9	1383.5	2528.3	7402.7	17239.1	20324.1	18552.6
60°	610.1	611.5	633.5	685.6	784.3	1061.2	1811.2	6015.1	18588.3	23865.7	22018.8
62.5°	571.8	571.8	586.8	615.6	663.6	814.4	1312.2	4339.6	19512.4	27459.4	26291.2
65°	534.7	534.7	545.7	566.3	592.3	666.4	969.4	2830.0	19489.1	30076.9	30588.3
67.5°	492.2	492.2	500.5	521.0	536.1	573.1	748.6	1853.8	17506.4	30019.3	32932.9
70°	441.5	441.5	452.5	470.3	482.6	505.9	591.0	1268.3	12861.1	25631.7	29288.5
72.5°	390.8	392.1	399.0	416.8	426.4	440.1	490.9	888.5	7889.4	17453.0	20479.0
75°	334.6	337.3	344.2	362.0	370.2	375.7	414.1	633.5	3991.3	9410.0	10713.9
77.5°	270.1	275.6	279.7	298.9	304.4	312.6	341.4	458.0	1752.3	3381.2	3411.3
80°	197.4	204.3	216.6	234.5	238.6	244.1	260.5	325.0	793.9	1543.9	1676.9
82.5°	145.3	154.9	139.9	163.2	163.2	156.3	183.7	218.0	364.7	1528.8	1829.1
85°	79.5	80.9	72.7	83.6	89.1	87.8	97.3	106.9	176.9	1020.1	1051.6
87.5°	19.2	20.6	21.9	26.1	31.5	31.5	34.3	30.2	57.6	330.4	189.2
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)