

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: P531915

Luminaire Tested: **GALN-SA7B-730-U-5NQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531915  
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-SA7B-730-U-5NQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3000K, 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: 24796 lumens  
Efficiency: N/A  
Efficacy: 86.7 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

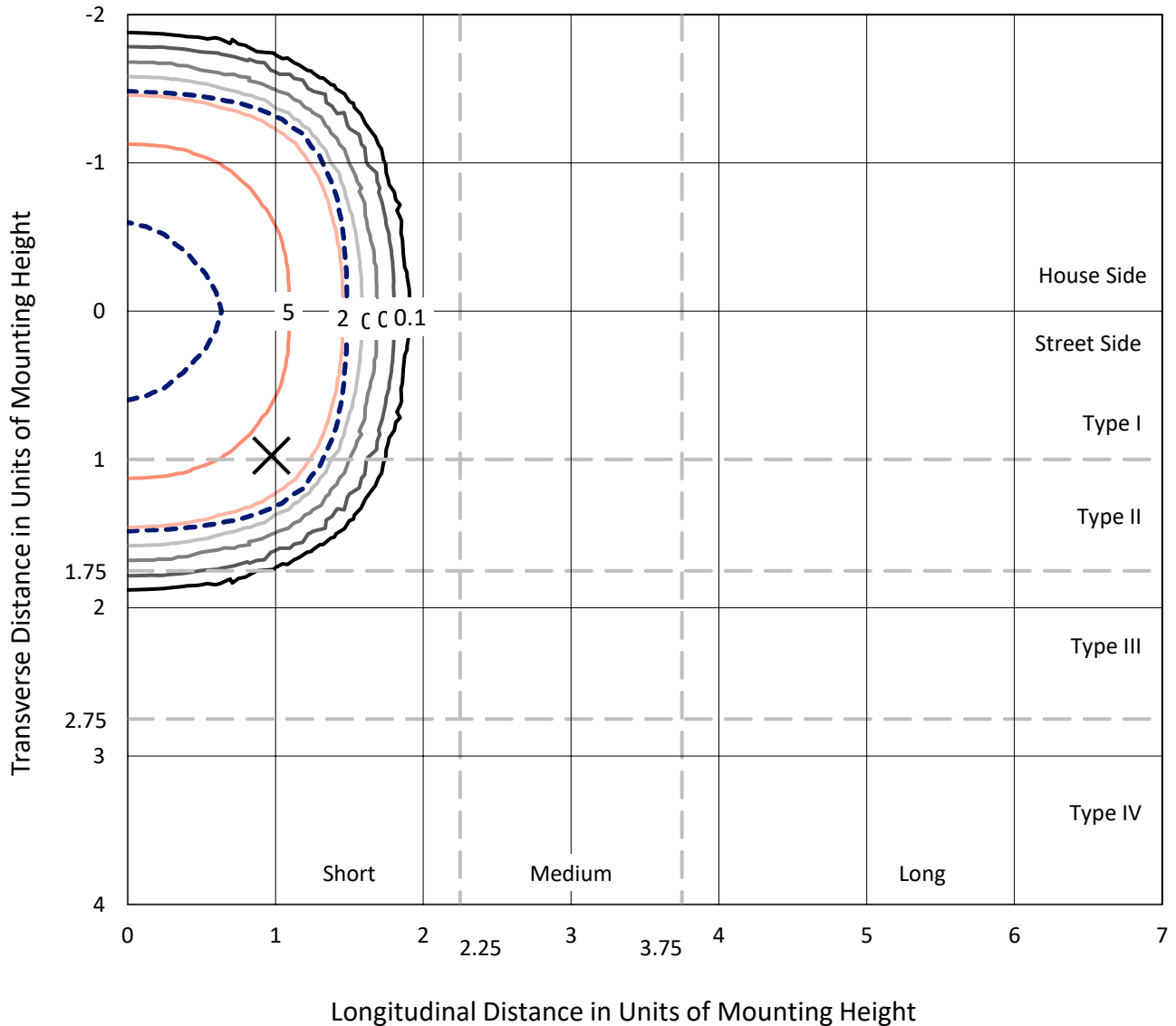
Input Watts (W): 286  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

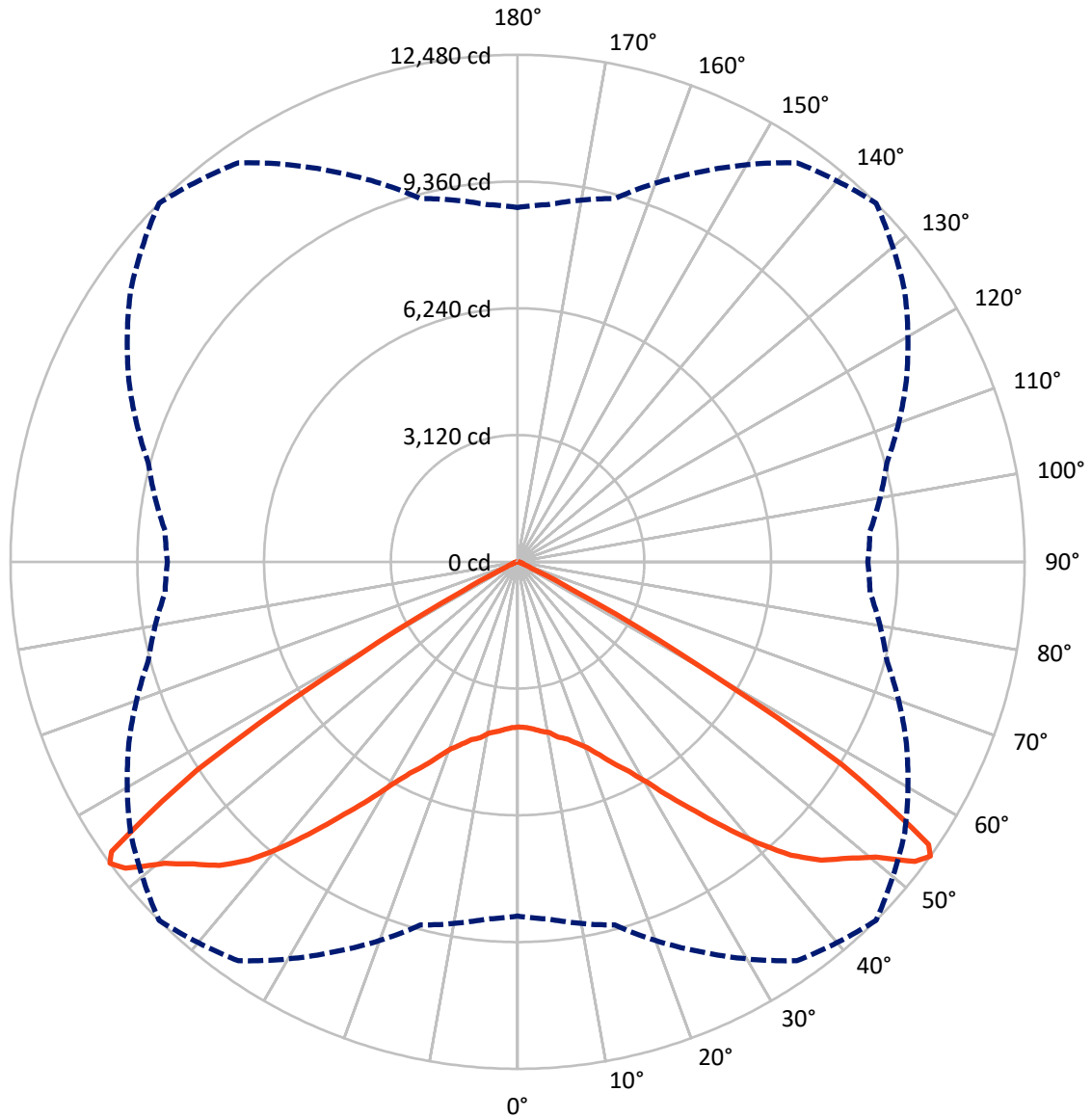
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 54-Deg Vertical

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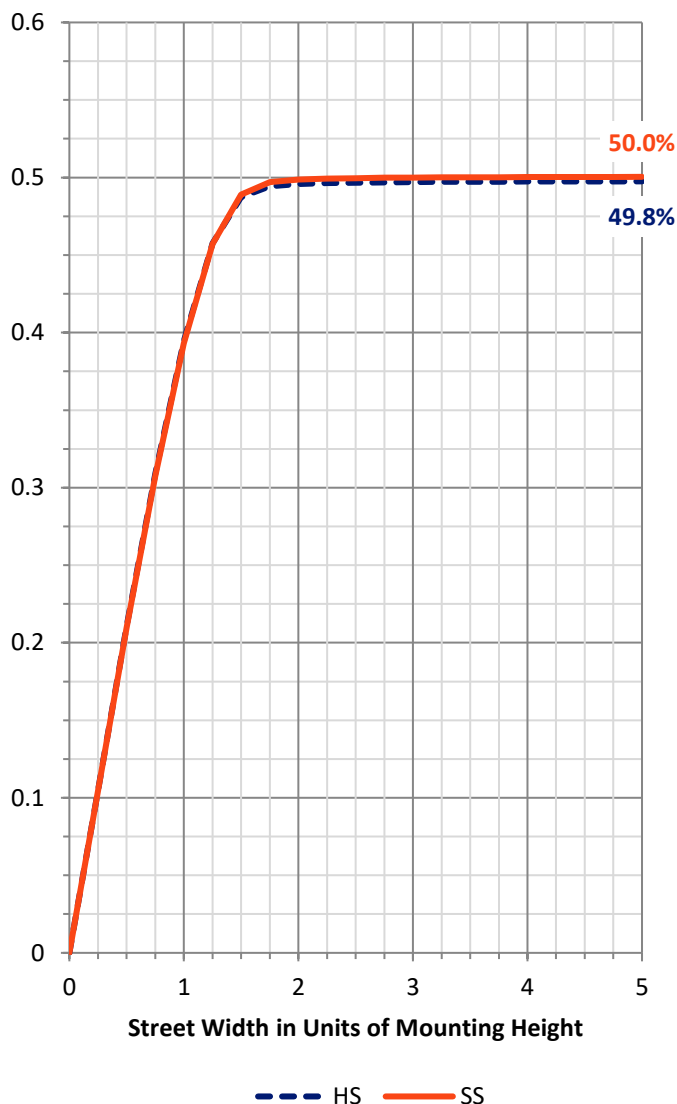
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12398.0	0.0	12398.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12398.0	0.0	12398.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24796.0	0.0	24796.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	397.9	1.6
10°-20°	1288.7	5.2
20°-30°	2525.8	10.2
30°-40°	4541.8	18.3
40°-50°	7774.7	31.4
50°-60°	7522.8	30.3
60°-70°	644.0	2.6
70°-80°	76.3	0.3
80°-90°	23.9	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°	24796.0	100.0
0°-180°	24796.0	100.0

**Coefficient of Utilization**



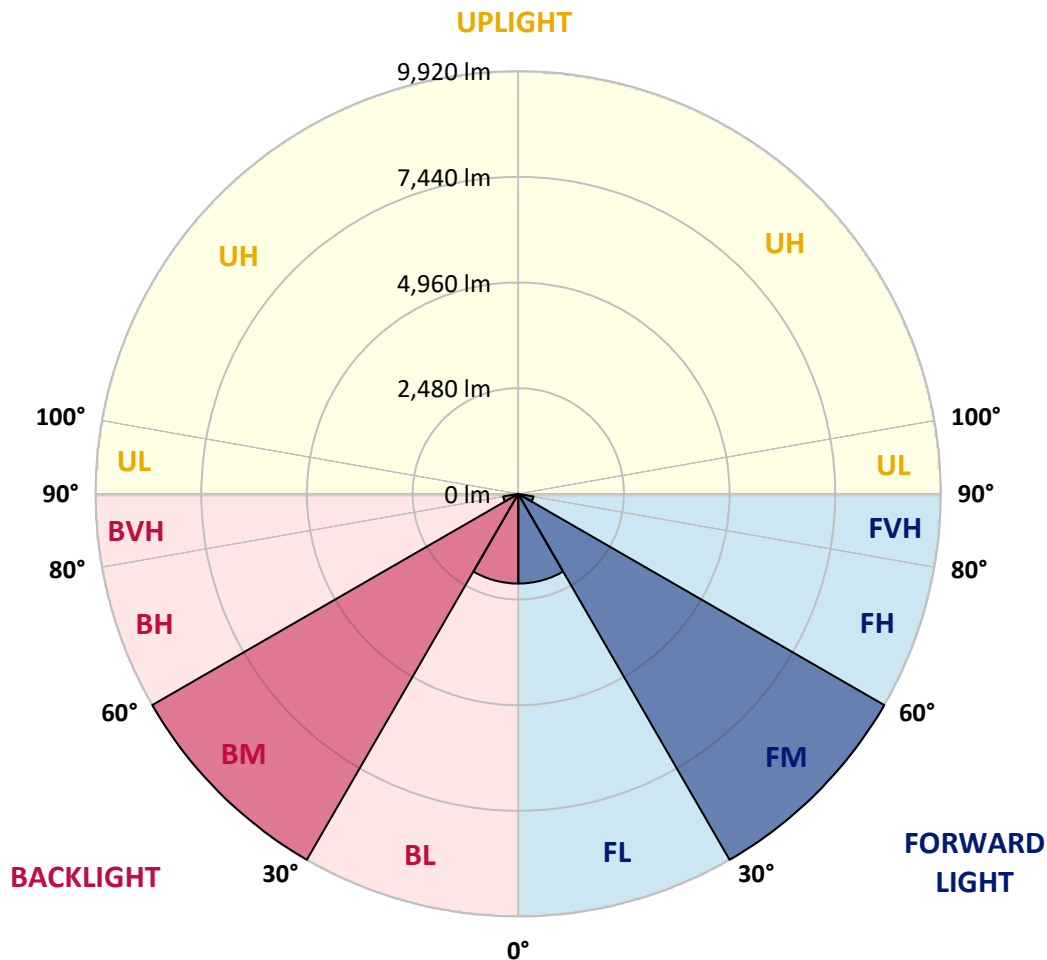
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2106.2	8.5			
FM (30°-60°)	9919.7	40.0			
FH (60°-80°)	360.1	1.5			G0/660
FVH (80°-90°)	12.0	0.0			G1/100
BL (0°-30°)	2106.2	8.5	B3/2500		
BM (30°-60°)	9919.7	40.0	B5		
BH (60°-80°)	360.1	1.5	B1/500		G0/660
BVH (80°-90°)	12.0	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°	4065.8	4065.8	4065.8	4065.8	4065.8	4065.8	4065.8	4065.8	4065.8	4065.8	4065.8
2.5°	4085.4	4109.0	4093.3	4105.1	4105.1	4085.4	4097.2	4050.1	4081.5	4057.9	4061.8
5°	4148.3	4144.3	4144.3	4148.3	4132.6	4140.4	4124.7	4109.0	4097.2	4081.5	4128.6
7.5°	4226.8	4226.8	4199.3	4207.2	4199.3	4211.1	4179.7	4148.3	4136.5	4124.7	4116.8
10°	4301.5	4293.6	4281.8	4317.2	4289.7	4274.0	4258.3	4238.6	4195.4	4179.7	4164.0
12.5°	4411.5	4407.5	4391.8	4427.2	4411.5	4427.2	4368.2	4317.2	4309.3	4258.3	4285.8
15°	4541.1	4576.4	4549.0	4549.0	4541.1	4521.5	4497.9	4474.3	4403.6	4384.0	4387.9
17.5°	4710.0	4698.2	4702.2	4702.2	4741.4	4690.4	4643.2	4584.3	4549.0	4537.2	4497.9
20°	4871.1	4886.8	4882.9	4910.4	4933.9	4878.9	4827.9	4820.0	4721.8	4737.5	4682.5
22.5°	5153.9	5142.1	5161.8	5181.4	5165.7	5157.8	5110.7	5051.8	4965.3	4926.1	4918.2
25°	5452.5	5432.8	5397.5	5444.6	5468.2	5503.5	5413.2	5381.7	5248.2	5189.3	5193.2
27.5°	5707.8	5735.3	5774.6	5794.2	5853.1	5841.4	5778.5	5676.4	5574.2	5507.5	5464.2
30°	6057.4	6073.1	6139.9	6167.4	6269.5	6297.0	6198.8	6081.0	5900.3	5813.9	5762.8
32.5°	6379.5	6489.5	6485.6	6623.1	6788.1	6902.0	6725.2	6544.5	6363.8	6261.7	6171.3
35°	6902.0	6882.3	6996.3	7141.6	7408.7	7538.4	7345.9	7137.7	6862.7	6697.7	6627.0
37.5°	7389.1	7397.0	7550.2	7781.9	8088.3	8288.7	8119.8	7778.0	7495.2	7283.0	7184.8
40°	8096.2	8111.9	8269.0	8532.2	8877.9	9094.0	8897.6	8551.9	8174.8	8009.8	8009.8
42.5°	8925.1	8991.8	9094.0	9321.8	9632.1	9871.8	9695.0	9423.9	9042.9	8830.8	8862.2
45°	9777.5	9808.9	9875.7	10213.5	10358.9	10476.7	10311.7	10186.0	9930.7	9671.4	9628.2
47.5°	10574.9	10586.7	10783.1	10889.2	11003.1	10904.9	11011.0	10846.0	10559.2	10307.8	10256.7
50°	10928.5	10908.8	11187.7	11509.9	11596.3	11423.4	11333.1	11223.1	10787.1	10484.6	10351.0
52.5°	9899.3	10013.2	10531.7	11427.4	12103.0	12248.4	11722.0	11215.2	10402.1	9812.8	9722.5
54°	8720.8	8826.8	9255.0	10582.8	11989.1	12480.2	11631.6	10555.3	9408.2	8709.0	8618.6
55°	7554.1	7436.2	8214.0	9569.3	11454.9	12275.9	11274.2	9702.9	8390.8	7750.5	7624.8
57.5°	4089.3	4109.0	4765.0	6045.6	8049.0	9412.2	8312.2	6564.2	4957.5	4238.6	4175.8
60°	1296.3	1327.8	1614.5	2443.4	3845.8	4592.2	3936.1	2635.9	1822.7	1461.3	1402.4
62.5°	404.6	420.3	459.6	683.5	1052.8	1504.5	1178.5	707.1	526.4	483.2	491.0
65°	247.5	247.5	251.4	267.1	314.3	365.3	353.5	310.3	298.5	290.7	286.8
67.5°	161.1	157.1	165.0	176.8	184.6	188.6	200.3	212.1	208.2	200.3	200.3
70°	98.2	94.3	102.1	117.8	121.8	129.6	141.4	157.1	153.2	145.3	149.3
72.5°	55.0	55.0	58.9	70.7	82.5	90.4	102.1	113.9	117.8	113.9	113.9
75°	19.6	23.6	31.4	43.2	51.1	62.9	74.6	86.4	98.2	90.4	86.4
77.5°	7.9	7.9	15.7	27.5	39.3	51.1	70.7	82.5	90.4	82.5	74.6
80°	3.9	3.9	11.8	23.6	35.4	47.1	58.9	70.7	74.6	66.8	58.9
82.5°	3.9	3.9	11.8	23.6	35.4	43.2	62.9	70.7	78.6	70.7	58.9
85°	0.0	3.9	11.8	23.6	31.4	35.4	35.4	23.6	19.6	11.8	11.8
87.5°	0.0	0.0	3.9	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)