

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: P530044

Luminaire Tested: **GALN-SA5B-730-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530044  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA5B-730-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 23375 lumens  
Efficiency: N/A  
Efficacy: 114.6 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

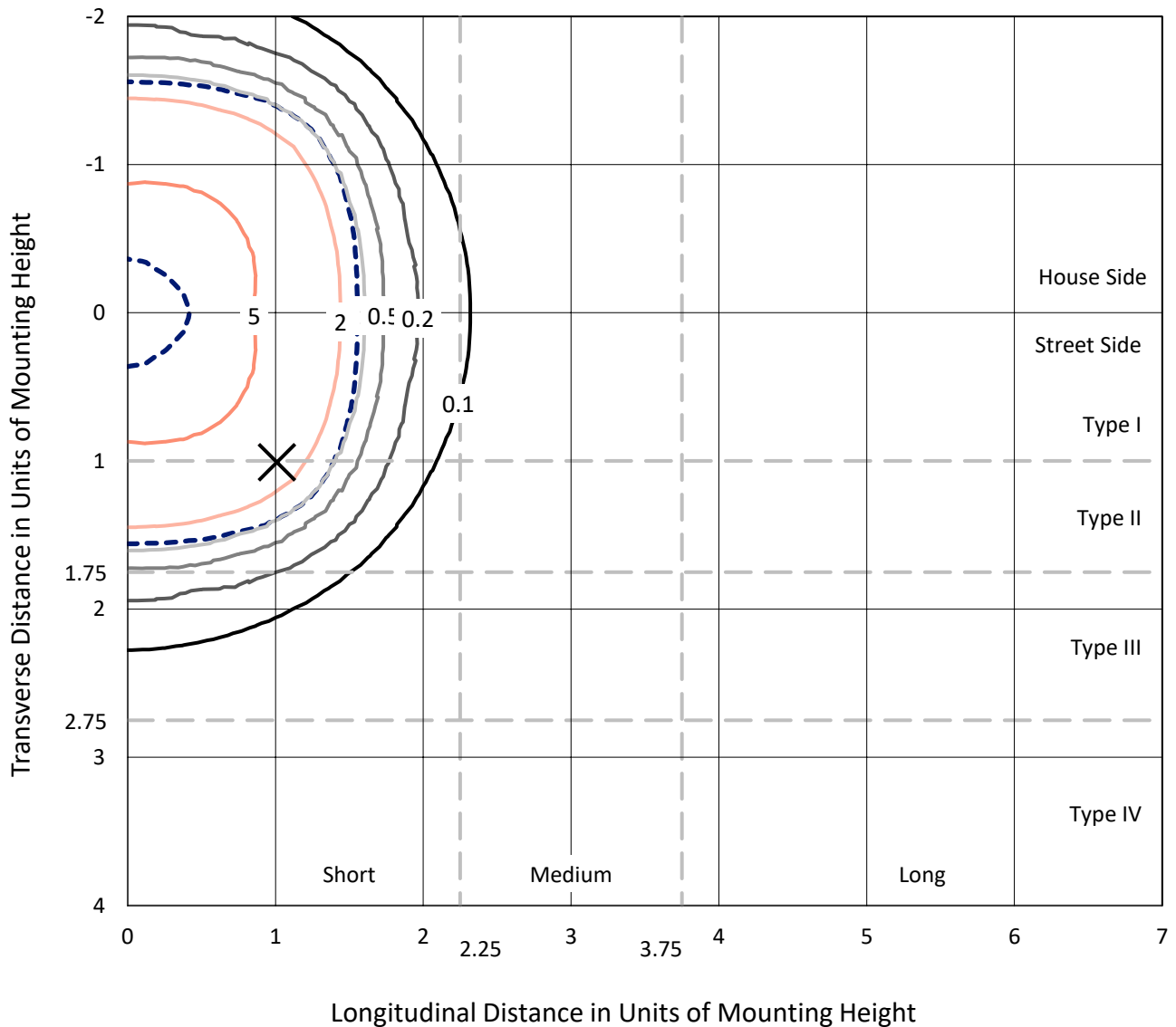
Input Watts (W): 204  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

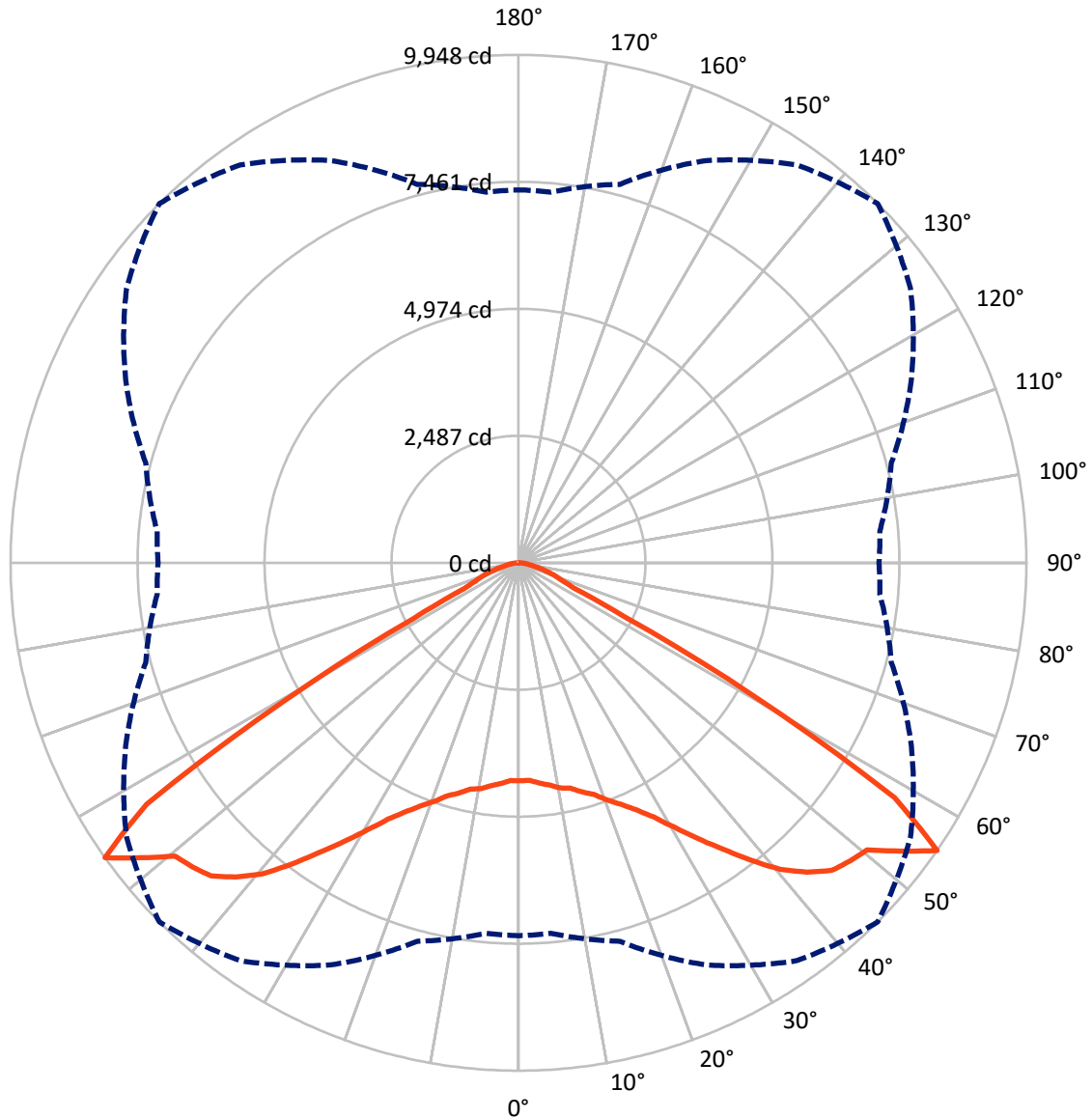
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	11687.5	0.0	11687.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	11687.5	0.0	11687.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	23375.0	0.0	23375.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	416.9	1.8
10°-20°	1321.1	5.7
20°-30°	2463.4	10.5
30°-40°	4124.5	17.6
40°-50°	6418.0	27.5
50°-60°	6663.9	28.5
60°-70°	1413.2	6.0
70°-80°	465.4	2.0
80°-90°	88.6	0.4
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°	23375.0	100.0
0°-180°	23375.0	100.0

**Coefficient of Utilization**



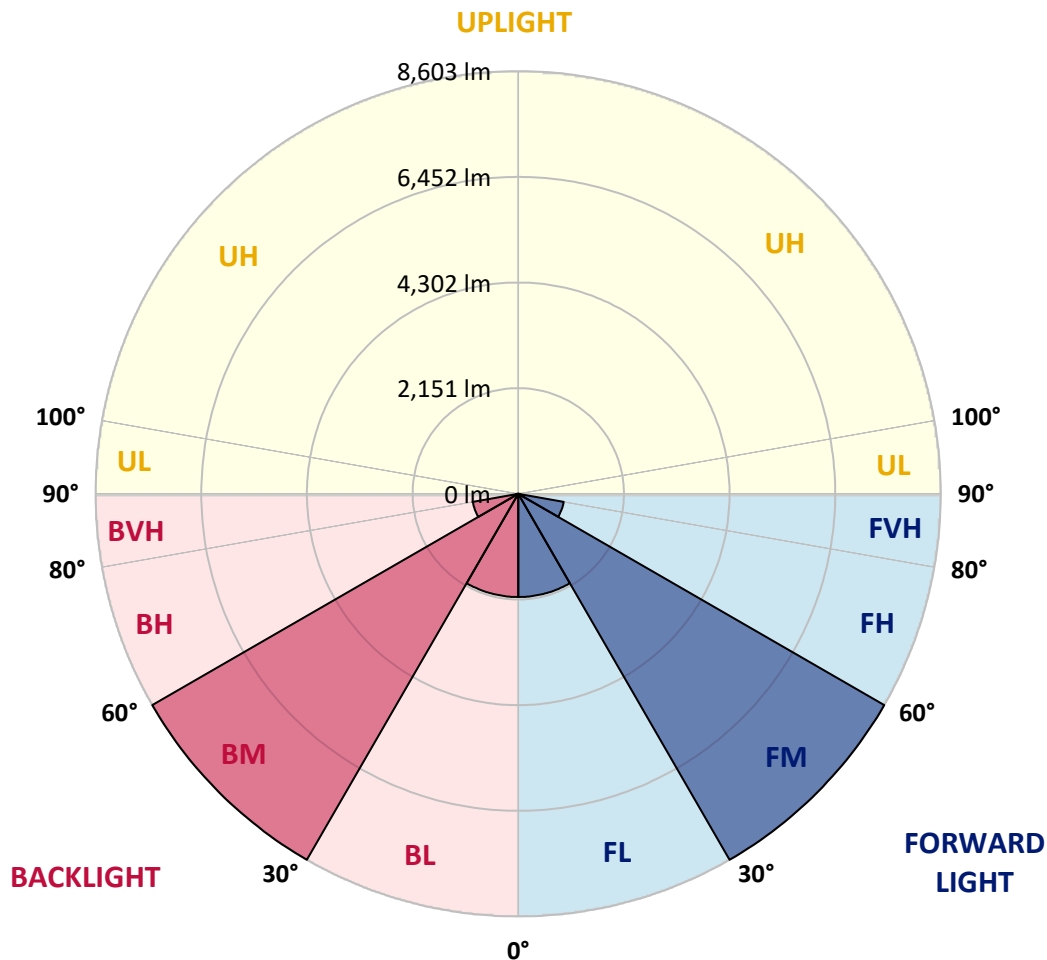
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2100.7	9.0			
FM (30°-60°)	8603.2	36.8			
FH (60°-80°)	939.3	4.0			G1/1800
FVH (80°-90°)	44.3	0.2			G1/100
BL (0°-30°)	2100.7	9.0	B3/2500		
BM (30°-60°)	8603.2	36.8	B5		
BH (60°-80°)	939.3	4.0	B2/1000		G1/1800
BVH (80°-90°)	44.3	0.2			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°	4267.9	4267.9	4267.9	4267.9	4267.9	4267.9	4267.9	4267.9	4267.9	4267.9	4267.9
2.5°	4318.8	4299.0	4265.1	4290.5	4310.3	4267.9	4284.9	4293.3	4287.7	4265.1	4273.6
5°	4380.9	4369.6	4341.4	4361.1	4335.7	4335.7	4318.8	4296.2	4330.1	4324.4	4338.5
7.5°	4380.9	4366.8	4423.3	4386.6	4397.9	4397.9	4369.6	4347.0	4364.0	4338.5	4324.4
10°	4468.5	4488.2	4462.8	4471.3	4465.6	4485.4	4443.0	4428.9	4414.8	4406.3	4389.4
12.5°	4573.0	4558.9	4567.3	4561.7	4581.5	4530.6	4505.2	4474.1	4499.5	4462.8	4488.2
15°	4657.7	4649.2	4657.7	4680.3	4660.5	4657.7	4612.5	4581.5	4541.9	4550.4	4510.8
17.5°	4773.5	4765.1	4767.9	4787.6	4784.8	4770.7	4736.8	4677.5	4663.4	4640.8	4615.3
20°	4945.8	4931.7	4926.1	4934.5	4948.6	4959.9	4892.2	4869.6	4821.5	4784.8	4742.5
22.5°	5092.7	5087.1	5109.6	5072.9	5104.0	5137.9	5072.9	5061.6	4943.0	4923.2	4878.0
25°	5296.1	5287.6	5273.5	5327.1	5363.9	5361.0	5298.9	5236.8	5146.4	5123.8	5123.8
27.5°	5510.7	5462.7	5536.2	5550.3	5615.2	5635.0	5581.4	5491.0	5406.2	5358.2	5369.5
30°	5779.1	5733.9	5750.8	5852.5	5937.2	6010.7	5875.1	5742.4	5623.7	5539.0	5524.9
32.5°	6047.4	6002.2	6053.1	6151.9	6321.4	6431.5	6298.8	6067.2	5928.8	5804.5	5829.9
35°	6264.9	6298.8	6380.7	6530.4	6705.5	6883.5	6671.6	6493.7	6296.0	6157.6	6177.3
37.5°	6615.1	6719.7	6784.6	6956.9	7205.5	7389.1	7168.8	6937.1	6725.3	6544.5	6482.4
40°	7072.7	7143.3	7216.8	7420.1	7713.9	7897.5	7688.5	7386.3	7177.2	6990.8	6982.3
42.5°	7575.5	7643.3	7719.6	7968.1	8143.2	8281.6	8089.6	7928.6	7697.0	7550.1	7541.6
45°	8160.2	8112.2	8196.9	8360.7	8507.6	8598.0	8473.7	8394.6	8228.0	8092.4	8078.3
47.5°	8550.0	8507.6	8660.1	8807.0	8829.6	8730.7	8756.2	8829.6	8654.5	8431.3	8502.0
50°	8775.9	8775.9	8877.6	9013.2	8970.8	8843.7	9044.3	9049.9	8874.8	8677.1	8677.1
52.5°	8383.3	8470.9	8759.0	9202.5	9343.7	9380.4	9335.2	9143.1	8685.6	8281.6	8261.9
55°	7304.3	7284.6	7674.4	8691.2	9513.2	9948.1	9371.9	8487.8	7558.6	7103.8	7058.6
57.5°	4750.9	4773.5	5355.4	6392.0	7874.9	8685.6	7713.9	6471.1	5355.4	4728.3	4787.6
60°	2138.2	2214.5	2567.5	3341.5	4615.3	5276.3	4626.6	3510.9	2694.6	2338.7	2369.8
62.5°	1228.7	1242.8	1256.9	1491.4	1965.9	2324.6	2042.2	1576.1	1389.7	1327.5	1327.5
65°	1036.6	1028.1	1031.0	1050.7	1101.6	1175.0	1144.0	1101.6	1107.2	1101.6	1093.1
67.5°	881.3	892.6	884.1	898.2	901.0	912.3	932.1	949.1	951.9	957.5	951.9
70°	723.1	725.9	731.6	742.9	745.7	754.2	782.4	796.5	805.0	805.0	816.3
72.5°	553.6	550.8	556.4	567.7	581.9	584.7	610.1	629.9	641.2	627.1	629.9
75°	364.4	367.2	375.7	384.1	403.9	423.7	432.2	451.9	454.8	460.4	446.3
77.5°	217.5	223.1	231.6	248.6	265.5	282.5	302.2	316.4	322.0	316.4	299.4
80°	141.2	141.2	152.5	166.6	186.4	200.5	211.8	223.1	231.6	223.1	217.5
82.5°	87.6	87.6	101.7	118.6	132.8	141.2	158.2	172.3	180.8	175.1	166.6
85°	45.2	48.0	59.3	73.4	84.7	90.4	87.6	79.1	70.6	67.8	62.1
87.5°	14.1	14.1	16.9	16.9	14.1	14.1	16.9	14.1	16.9	16.9	16.9
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)