

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: P530041

Luminaire Tested: **GALN-SA5B-730-U-5MQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530041  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)  
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-5MQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 15575 lumens  
Efficiency: N/A  
Efficacy: 76.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G0

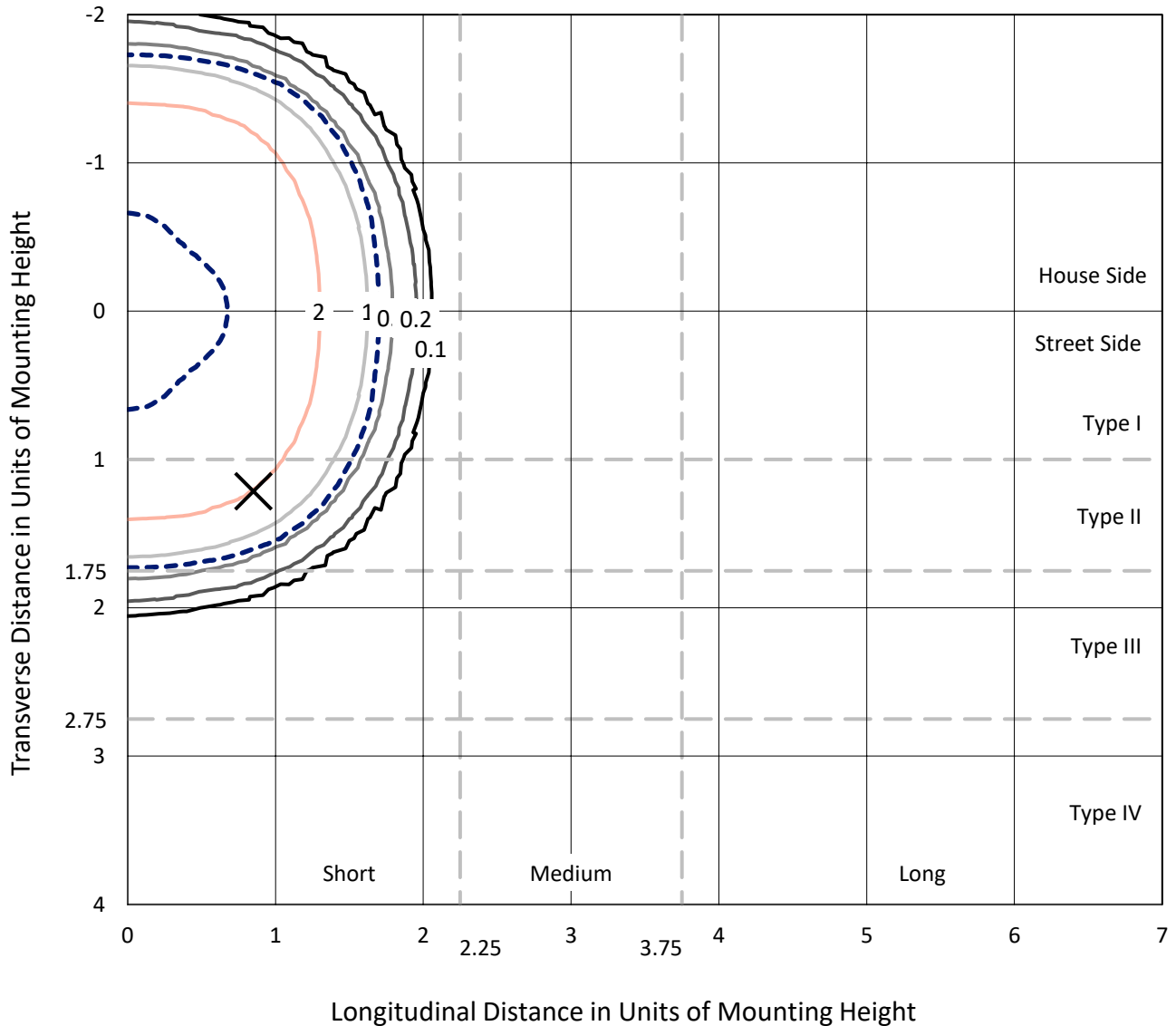
Input Watts (W): 204  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

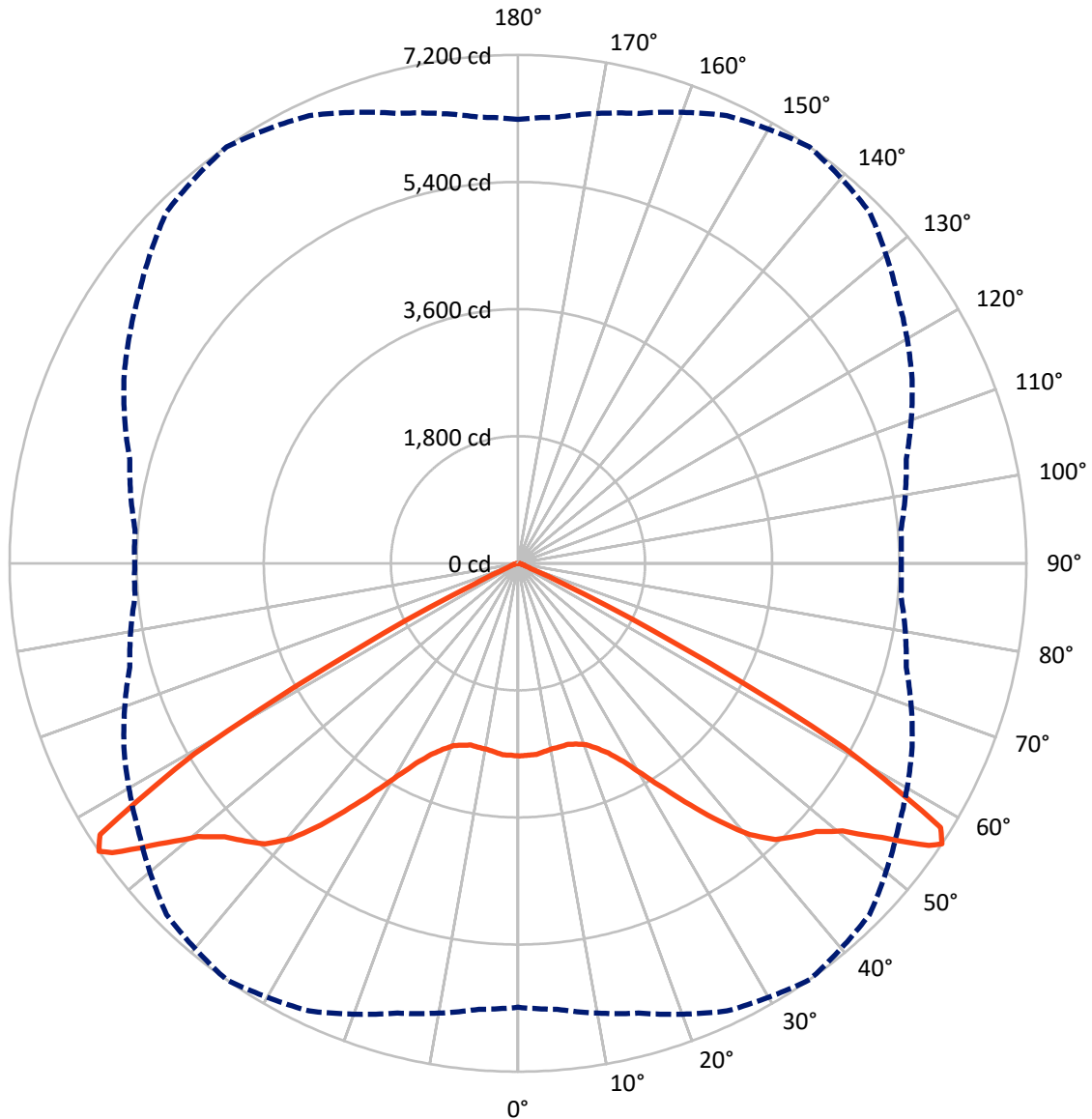
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral      - - - Horizontal Cone Through 56-Deg Vertical

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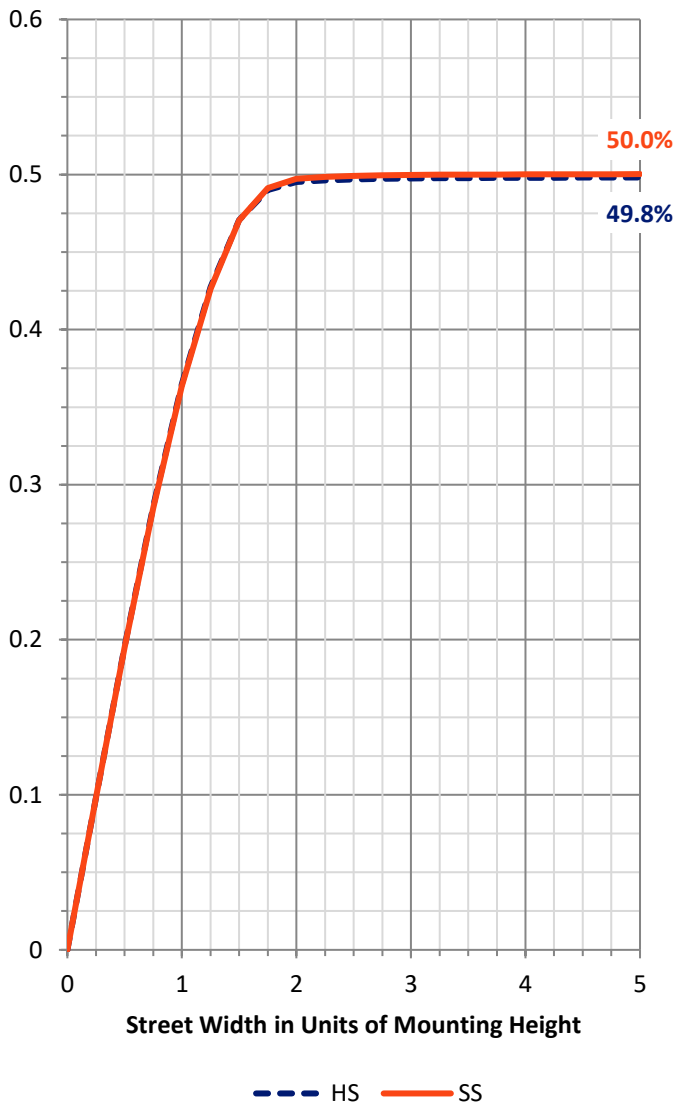
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7787.5	0.0	7787.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	7787.5	0.0	7787.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	15575.0	0.0	15575.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.5	1.6
10°-20°	748.8	4.8
20°-30°	1356.0	8.7
30°-40°	2514.6	16.1
40°-50°	4127.5	26.5
50°-60°	5317.4	34.1
60°-70°	1171.9	7.5
70°-80°	68.0	0.4
80°-90°	14.3	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°	15575.0	100.0
0°-180°	15575.0	100.0

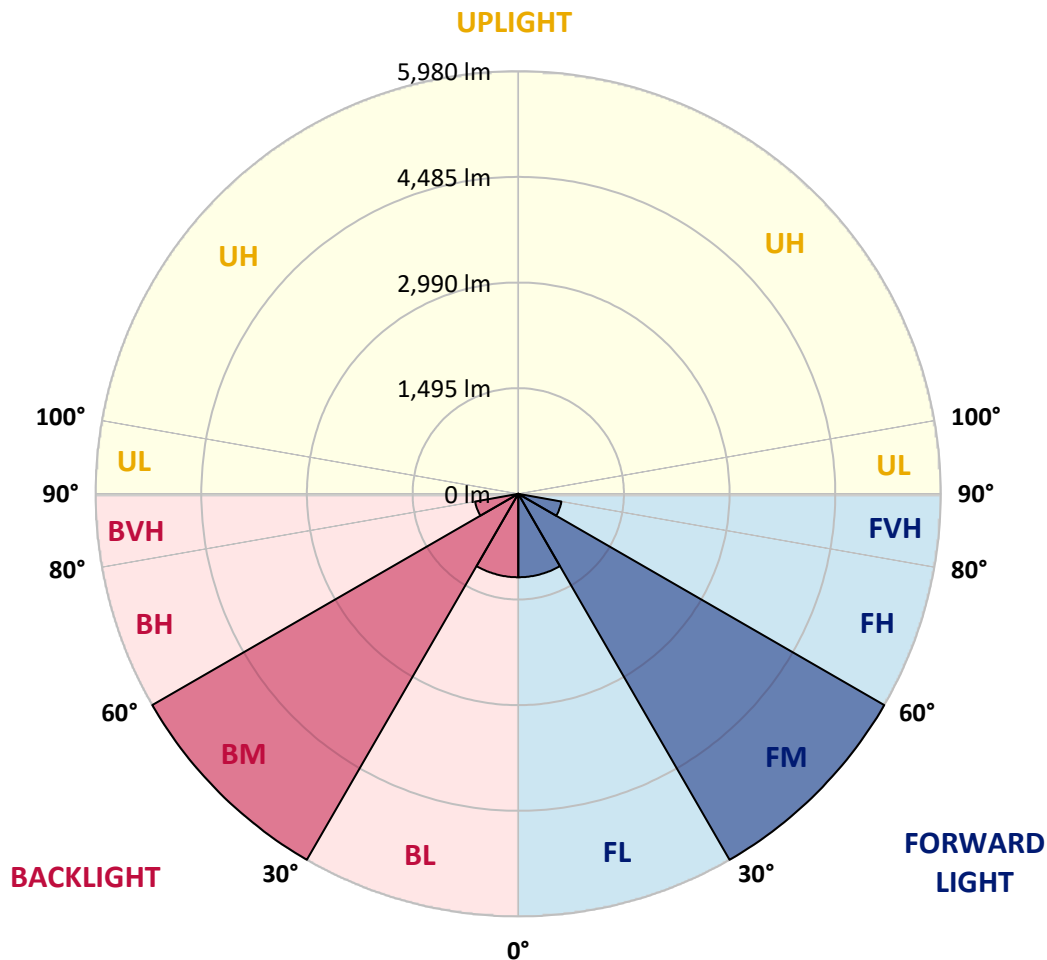


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1180.7	7.6			
FM (30°-60°)	5979.7	38.4			
FH (60°-80°)	619.9	4.0			G0/660
FVH (80°-90°)	7.2	0.0			G0/10
BL (0°-30°)	1180.7	7.6	B3/2500		
BM (30°-60°)	5979.7	38.4	B4/8500		
BH (60°-80°)	619.9	4.0	B2/1000		G0/660
BVH (80°-90°)	7.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G0**  
 Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2729.1	2729.1	2729.1	2729.1	2729.1	2729.1	2729.1	2729.1	2729.1	2729.1	2729.1
2.5°	2734.7	2734.7	2737.5	2740.4	2720.6	2712.1	2715.0	2709.3	2706.5	2715.0	2715.0
5°	2726.3	2726.3	2717.8	2720.6	2720.6	2695.2	2695.2	2700.9	2700.9	2683.9	2678.3
7.5°	2703.7	2698.0	2686.7	2700.9	2692.4	2692.4	2672.6	2658.5	2652.9	2664.2	2652.9
10°	2655.7	2658.5	2669.8	2675.5	2669.8	2686.7	2652.9	2633.1	2613.4	2604.9	2604.9
12.5°	2633.1	2650.1	2633.1	2647.2	2667.0	2652.9	2633.1	2619.0	2590.8	2579.5	2579.5
15°	2630.3	2641.6	2647.2	2667.0	2658.5	2664.2	2624.7	2607.7	2565.4	2545.6	2537.2
17.5°	2627.5	2641.6	2650.1	2686.7	2692.4	2695.2	2664.2	2613.4	2576.7	2556.9	2537.2
20°	2658.5	2664.2	2681.1	2717.8	2740.4	2779.9	2723.4	2669.8	2590.8	2568.2	2559.7
22.5°	2698.0	2726.3	2743.2	2782.7	2842.0	2875.8	2802.5	2734.7	2652.9	2624.7	2590.8
25°	2825.0	2819.4	2847.6	2929.5	2977.4	3002.8	2943.6	2844.8	2737.5	2703.7	2709.3
27.5°	2983.1	2988.7	3014.1	3104.4	3175.0	3214.5	3143.9	3014.1	2909.7	2853.3	2847.6
30°	3189.1	3183.5	3211.7	3333.0	3460.0	3519.3	3395.1	3242.7	3141.1	3067.7	3084.7
32.5°	3406.4	3409.2	3488.2	3598.3	3804.3	3920.0	3719.7	3533.4	3381.0	3330.2	3304.8
35°	3728.1	3742.2	3804.3	3973.7	4202.3	4351.8	4131.7	3908.8	3733.8	3640.6	3651.9
37.5°	4126.1	4112.0	4216.4	4399.8	4639.7	4749.8	4563.5	4309.5	4131.7	4069.6	4109.1
40°	4549.4	4563.5	4617.1	4783.6	5051.8	5125.1	4848.6	4710.3	4555.0	4524.0	4572.0
42.5°	4972.7	4964.3	5003.8	5153.4	5348.1	5297.3	5133.6	5051.8	4941.7	4879.6	4944.5
45°	5283.2	5269.1	5342.4	5444.0	5514.6	5418.6	5345.3	5317.0	5260.6	5192.9	5252.1
47.5°	5585.1	5573.9	5644.4	5672.6	5678.3	5551.3	5565.4	5616.2	5475.1	5334.0	5401.7
50°	5842.0	5822.2	5909.7	5971.8	5957.7	5754.5	5805.3	5754.5	5534.3	5367.8	5342.4
52.5°	6270.9	6279.4	6372.5	6485.4	6451.6	6282.2	6208.9	5977.4	5695.2	5545.6	5458.1
55°	6541.9	6499.5	6660.4	7018.8	7058.3	6883.4	6558.8	6217.3	5794.0	5610.5	5588.0
56°	6287.9	6341.5	6595.5	6996.3	7199.5	7038.6	6567.3	6158.1	5692.4	5444.0	5427.1
57.5°	5641.6	5613.4	5957.7	6505.2	7058.3	6990.6	6335.9	5734.7	5192.9	4913.5	4879.6
60°	3510.8	3592.7	3894.6	4572.0	5311.4	5345.3	4696.2	4179.7	3547.5	3299.2	3358.4
62.5°	1374.4	1303.9	1492.9	1998.1	2506.1	2619.0	2373.5	1972.7	1619.9	1374.4	1357.5
65°	318.9	310.4	350.0	482.6	674.5	781.8	742.2	533.4	392.3	372.5	344.3
67.5°	180.6	180.6	172.2	172.2	189.1	200.4	191.9	189.1	197.6	206.0	203.2
70°	127.0	124.2	118.5	121.4	115.7	115.7	124.2	138.3	149.6	149.6	152.4
72.5°	76.2	76.2	76.2	84.7	84.7	84.7	93.1	104.4	107.2	104.4	101.6
75°	33.9	33.9	39.5	48.0	53.6	56.4	64.9	70.6	76.2	70.6	64.9
77.5°	8.5	8.5	14.1	19.8	25.4	31.0	42.3	50.8	53.6	50.8	42.3
80°	2.8	2.8	5.6	14.1	25.4	31.0	42.3	45.2	48.0	42.3	33.9
82.5°	2.8	2.8	5.6	14.1	19.8	25.4	33.9	39.5	42.3	36.7	33.9
85°	0.0	2.8	5.6	11.3	16.9	22.6	22.6	16.9	14.1	8.5	11.3
87.5°	0.0	0.0	2.8	2.8	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)