

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: P533789

Luminaire Tested: **GALN-SA9B-730-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533789  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA9B-730-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24505 lumens  
Efficiency: N/A  
Efficacy: 67.3 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

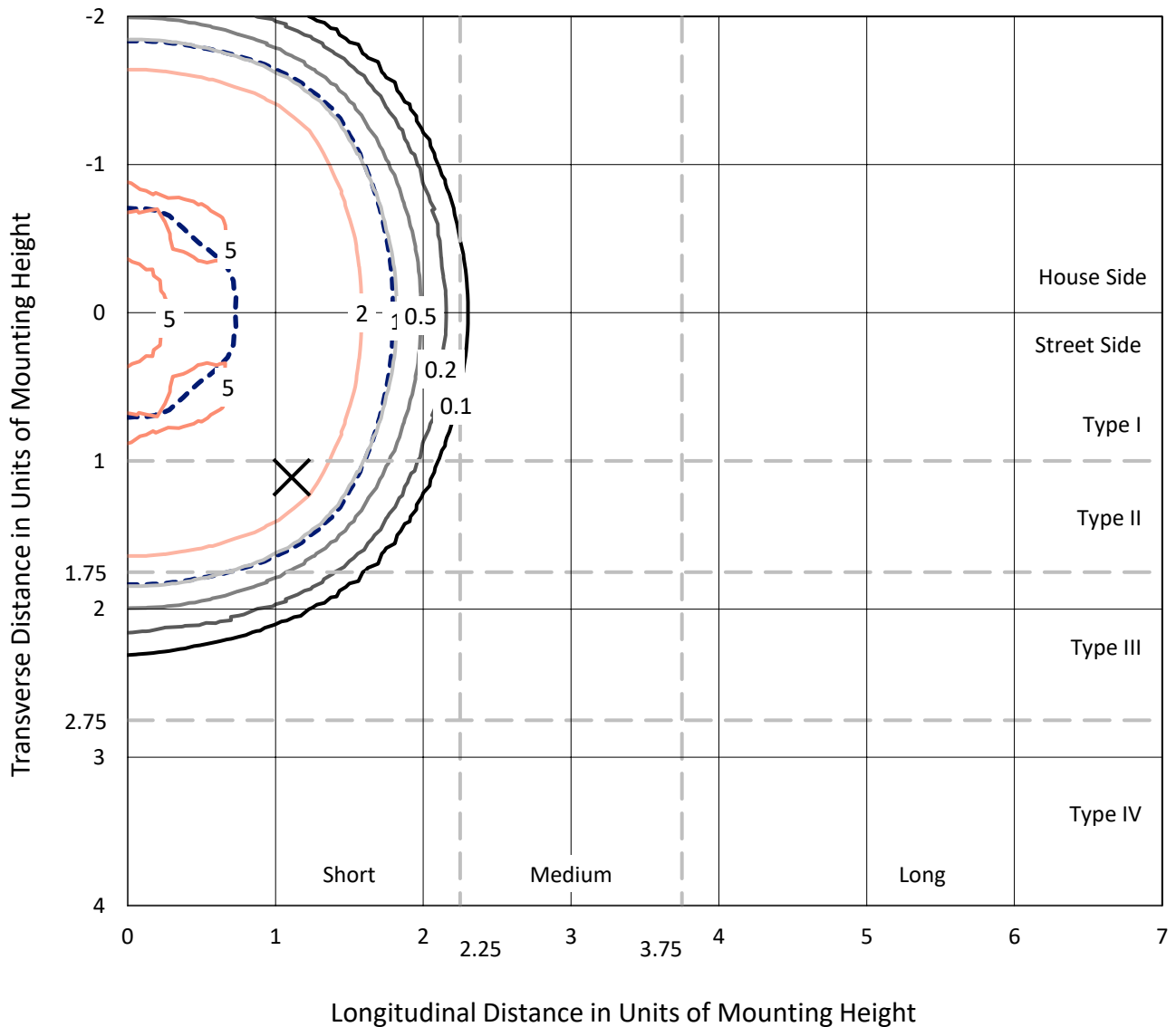
Input Watts (W): 364  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

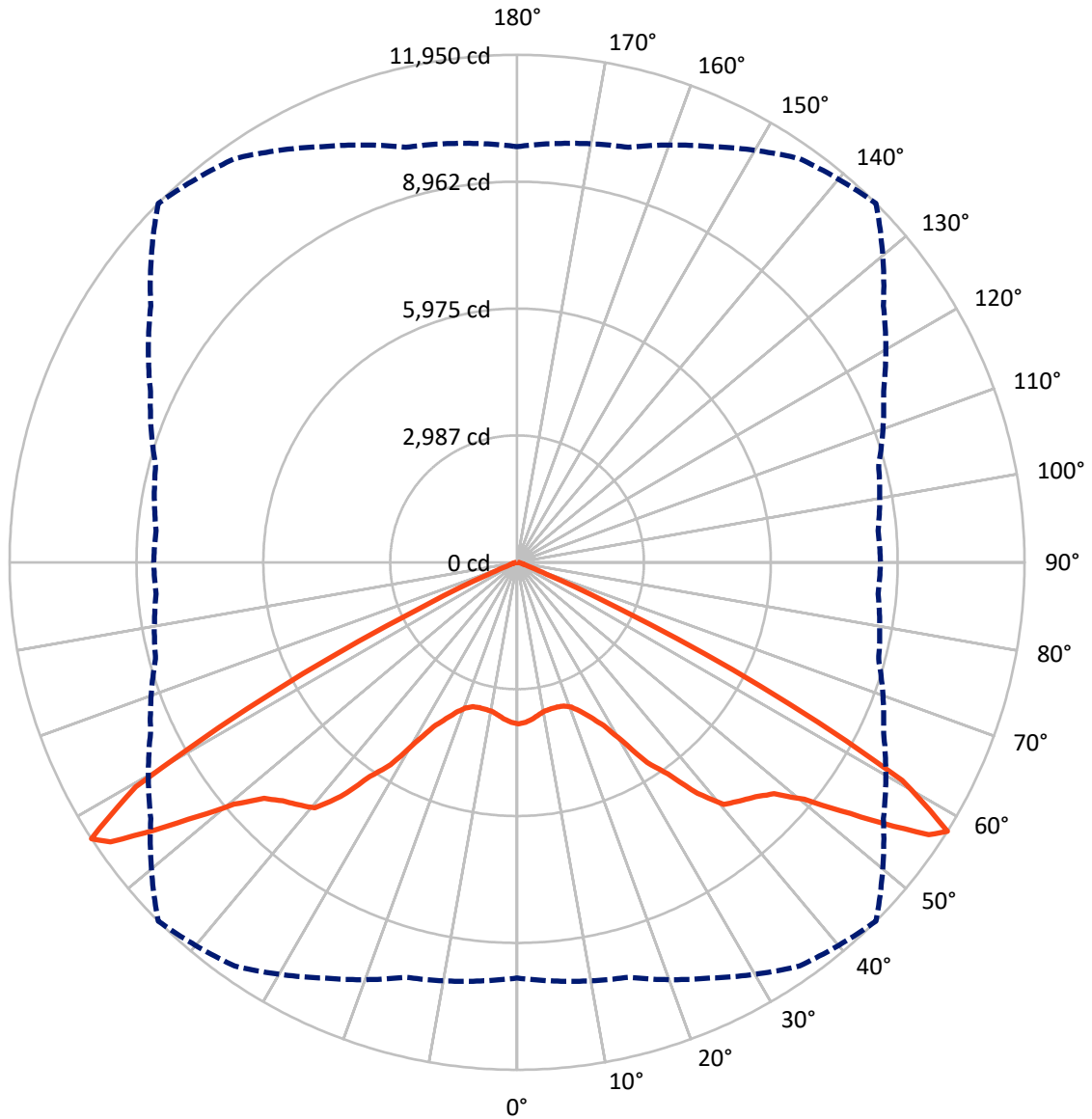
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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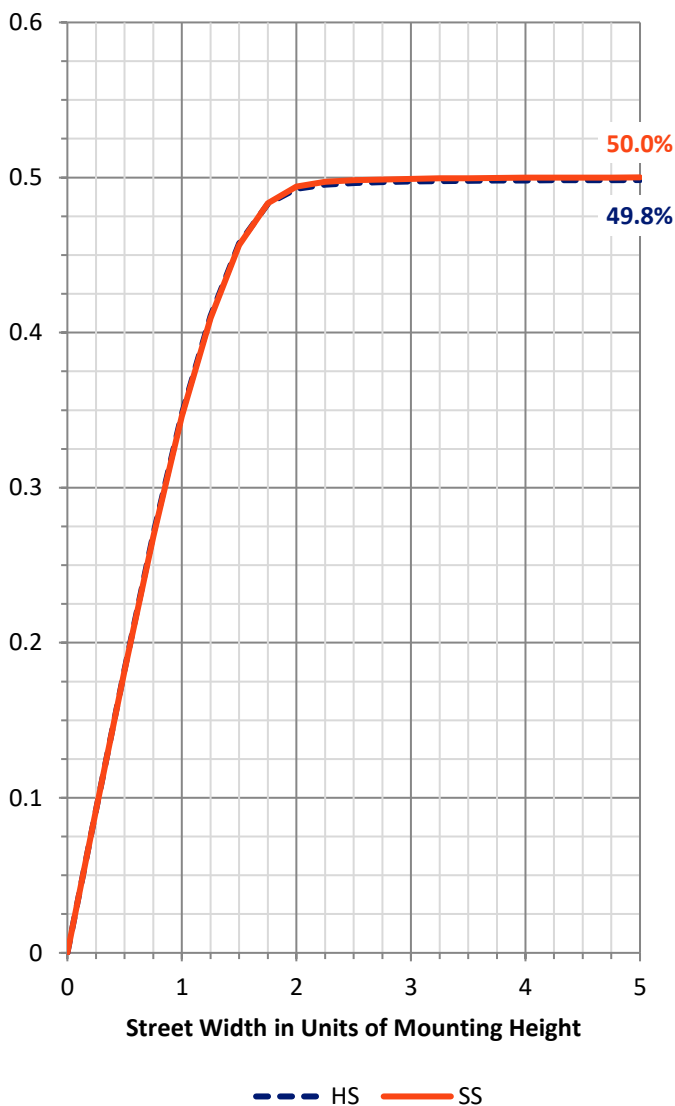
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12252.5	0.0	12252.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12252.5	0.0	12252.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24505.0	0.0	24505.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	349.3	1.4
10°-20°	1009.6	4.1
20°-30°	1863.6	7.6
30°-40°	3665.0	15.0
40°-50°	5969.3	24.4
50°-60°	8513.0	34.7
60°-70°	2947.4	12.0
70°-80°	158.1	0.6
80°-90°	29.7	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°	24505.0	100.0
0°-180°	24505.0	100.0

**Coefficient of Utilization**



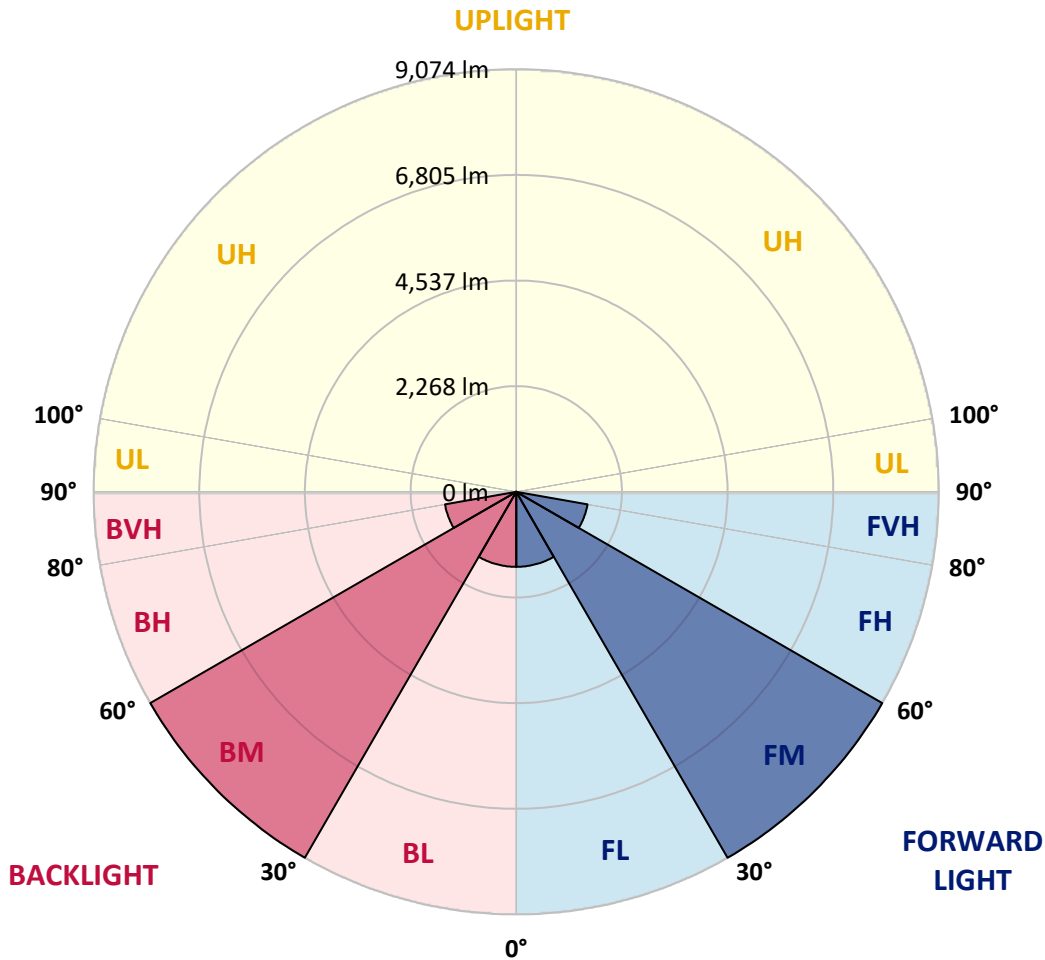
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1611.3	6.6			
FM (30°-60°)	9073.6	37.0			
FH (60°-80°)	1552.8	6.3			G1/1800
FVH (80°-90°)	14.8	0.1			G1/100
BL (0°-30°)	1611.3	6.6	B3/2500		
BM (30°-60°)	9073.6	37.0	B5		
BH (60°-80°)	1552.8	6.3	B3/2500		G1/1800
BVH (80°-90°)	14.8	0.1			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°	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0	3801.0
2.5°	3790.8	3811.2	3785.7	3775.4	3770.3	3770.3	3755.0	3755.0	3749.9	3755.0	3734.6
5°	3729.5	3749.9	3749.9	3744.8	3714.1	3709.0	3693.7	3683.5	3688.6	3668.2	3683.5
7.5°	3668.2	3683.5	3663.0	3657.9	3647.7	3627.3	3622.2	3576.2	3581.3	3581.3	3591.5
10°	3657.9	3652.8	3622.2	3596.6	3566.0	3560.9	3545.5	3535.3	3535.3	3530.2	3545.5
12.5°	3657.9	3632.4	3627.3	3571.1	3520.0	3540.4	3499.6	3474.0	3509.8	3520.0	3540.4
15°	3652.8	3678.4	3591.5	3566.0	3530.2	3535.3	3499.6	3474.0	3494.5	3504.7	3520.0
17.5°	3683.5	3668.2	3642.6	3591.5	3576.2	3555.8	3509.8	3489.3	3489.3	3514.9	3520.0
20°	3765.2	3724.3	3673.3	3647.7	3663.0	3637.5	3581.3	3504.7	3525.1	3545.5	3560.9
22.5°	3841.9	3811.2	3775.4	3760.1	3847.0	3806.1	3709.0	3622.2	3591.5	3627.3	3652.8
25°	3990.0	3990.0	3923.6	3944.0	4041.1	4046.2	3933.8	3780.5	3760.1	3775.4	3785.7
27.5°	4291.4	4306.8	4250.6	4271.0	4311.9	4347.6	4250.6	4122.8	4076.9	4071.8	4087.1
30°	4618.4	4649.1	4643.9	4730.8	4848.3	4868.7	4725.7	4516.2	4378.3	4352.7	4373.2
32.5°	5047.5	5062.9	5052.6	5154.8	5471.6	5619.7	5246.8	4950.5	4766.6	4812.5	4766.6
35°	5854.7	5839.4	5727.0	5747.5	6008.0	6115.3	5757.7	5568.6	5481.8	5573.8	5553.3
37.5°	6549.5	6493.3	6401.4	6534.2	6805.0	6902.1	6529.1	6197.0	6038.7	6191.9	6258.3
40°	7137.1	6994.0	6866.3	6999.1	7361.8	7494.7	6948.0	6677.3	6616.0	6728.4	6871.4
42.5°	7632.6	7540.7	7372.1	7382.3	7622.4	7683.7	7244.3	7086.0	7024.7	7203.5	7275.0
45°	7985.1	7898.3	7739.9	7729.7	7913.6	7872.7	7479.4	7372.1	7407.8	7525.3	7561.1
47.5°	8163.9	8209.9	8118.0	8143.5	8240.6	8143.5	7831.9	7831.9	7750.1	7821.6	7785.9
50°	8679.9	8536.9	8654.4	8654.4	8756.6	8766.8	8455.1	8342.7	8123.1	8000.5	8000.5
52.5°	9282.8	9293.0	9339.0	9507.6	9681.3	9829.4	9385.0	8904.7	8536.9	8378.5	8358.1
55°	9778.3	9880.5	10064.4	10381.2	10881.8	11086.2	10319.9	9461.6	9012.0	8766.8	8715.7
56°	10049.1	9952.0	10268.8	10703.0	11357.0	11622.6	10473.1	9574.0	9078.4	8802.5	8797.4
57.5°	9788.6	9895.8	10115.5	10800.1	11602.2	11949.6	10529.3	9522.9	8812.8	8531.8	8557.3
60°	7729.7	7831.9	8128.2	8894.5	10151.3	10422.0	8909.8	7852.3	7218.8	6815.2	6820.3
62.5°	4373.2	4449.8	4679.7	5389.8	6171.5	6432.0	5553.3	4848.3	4408.9	4184.1	4112.6
65°	1609.3	1578.6	1614.4	1977.1	2457.4	2677.0	2309.2	1951.6	1721.7	1639.9	1609.3
67.5°	602.8	556.9	521.1	556.9	699.9	740.8	679.5	567.1	531.3	546.6	556.9
70°	372.9	352.5	281.0	265.7	260.6	255.4	270.8	286.1	327.0	383.2	393.4
72.5°	260.6	245.2	199.2	189.0	178.8	173.7	199.2	219.7	255.4	296.3	301.4
75°	102.2	107.3	102.2	112.4	117.5	122.6	143.0	158.4	173.7	173.7	168.6
77.5°	20.4	20.4	30.7	40.9	51.1	66.4	97.1	112.4	117.5	112.4	97.1
80°	0.0	0.0	10.2	20.4	40.9	56.2	86.9	97.1	107.3	97.1	76.6
82.5°	0.0	0.0	10.2	25.5	40.9	51.1	81.7	102.2	117.5	107.3	81.7
85°	0.0	0.0	10.2	20.4	30.7	35.8	35.8	25.5	25.5	15.3	10.2
87.5°	0.0	0.0	0.0	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)