

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: P652437

Luminaire Tested: **GALN-SA6B-840-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P652437  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6B-840-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR  
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 24865 lumens  
Efficiency: N/A  
Efficacy: 102.3 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): 243  
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

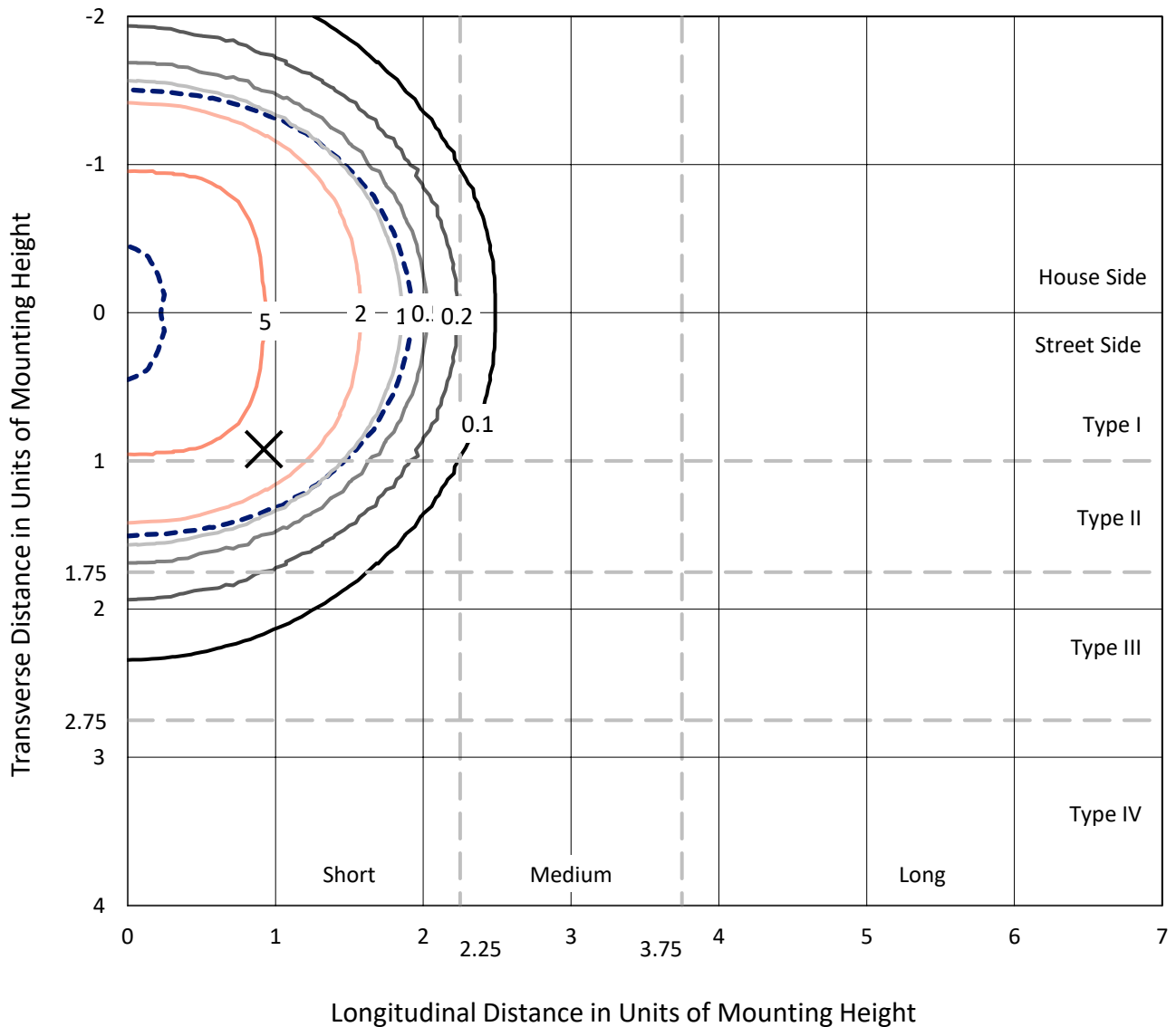




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### Iso-Footcandle Lines of Horizontal Illumination

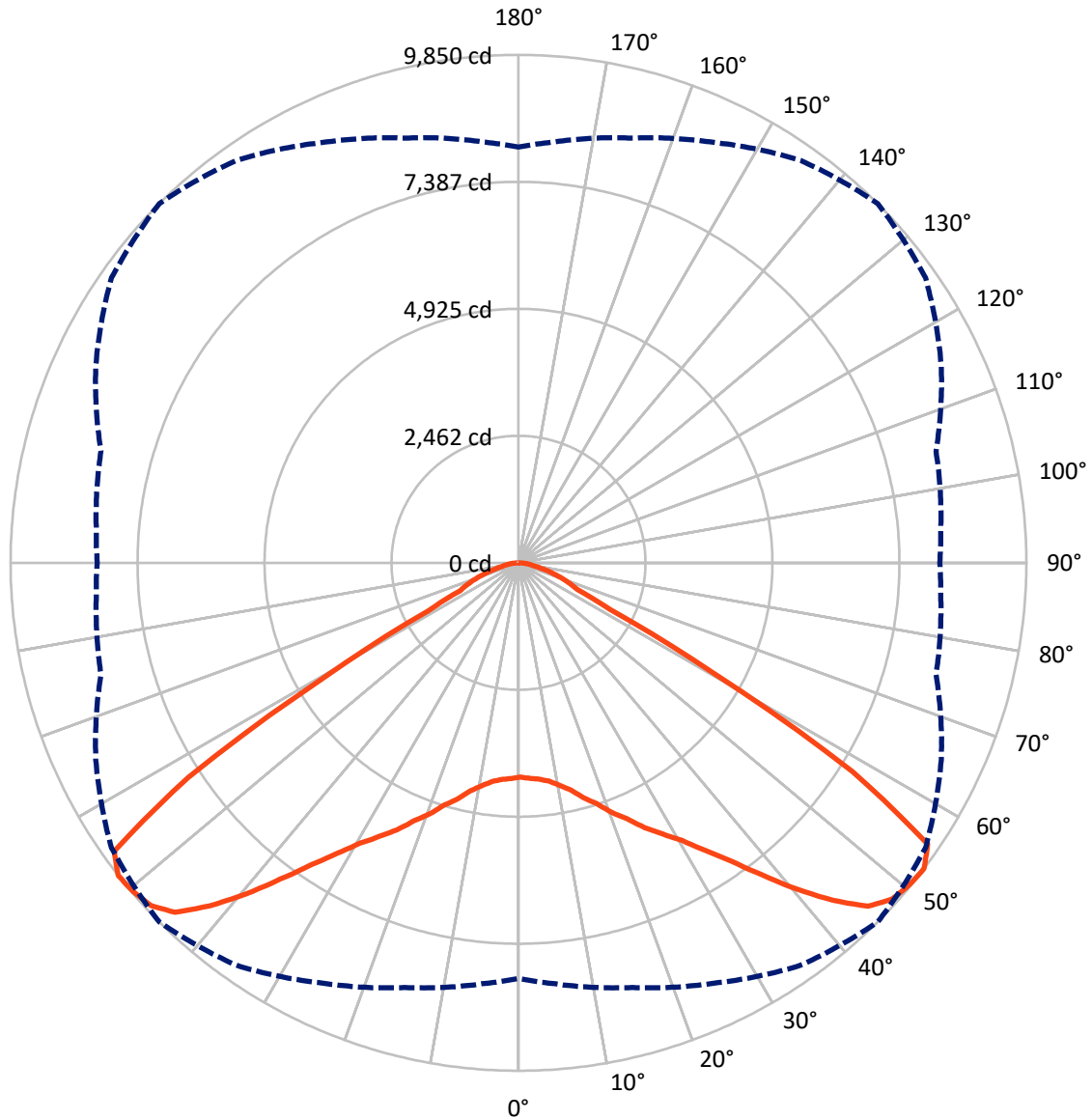
✕ Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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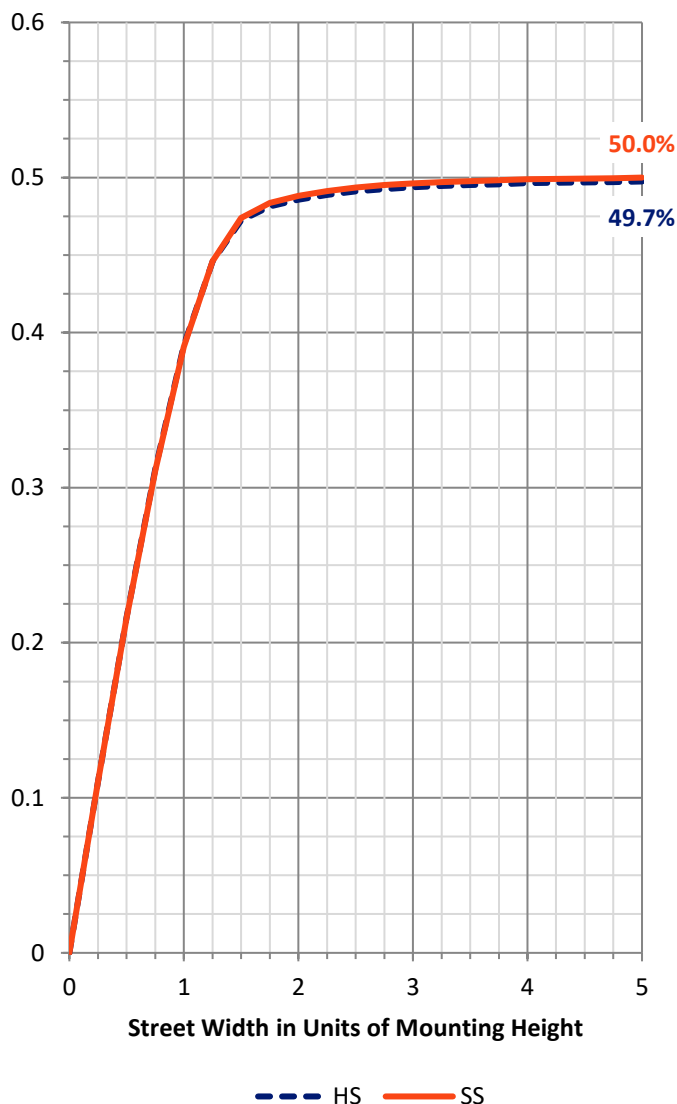
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12432.5	0.0	12432.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12432.5	0.0	12432.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	24865.0	0.0	24865.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	408.4	1.6
10°-20°	1341.9	5.4
20°-30°	2554.7	10.3
30°-40°	4386.6	17.6
40°-50°	6742.4	27.1
50°-60°	6846.7	27.5
60°-70°	1908.1	7.7
70°-80°	562.9	2.3
80°-90°	113.4	0.5
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°	24865.0	100.0
0°-180°	24865.0	100.0

**Coefficient of Utilization**

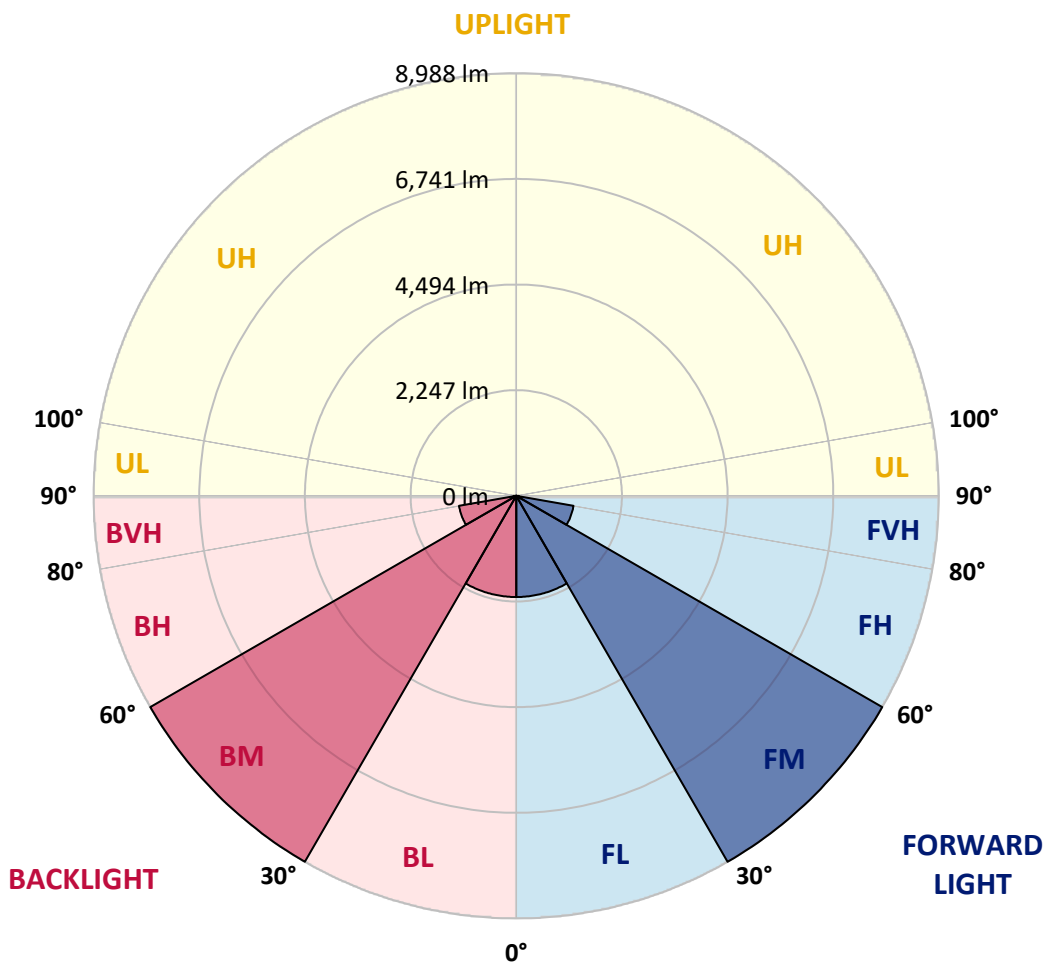


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2152.5	8.7			
FM (30°-60°)	8987.9	36.1			
FH (60°-80°)	1235.5	5.0			G1/1800
FVH (80°-90°)	56.7	0.2			G1/100
BL (0°-30°)	2152.5	8.7	B3/2500		
BM (30°-60°)	8987.9	36.1	B5		
BH (60°-80°)	1235.5	5.0	B3/2500		G1/1800
BVH (80°-90°)	56.7	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°	4156.5	4156.5	4156.5	4156.5	4156.5	4156.5	4156.5	4156.5	4156.5	4156.5	4156.5
2.5°	4165.8	4122.6	4138.0	4147.2	4187.3	4184.3	4175.1	4187.3	4199.7	4202.8	4196.6
5°	4162.7	4131.8	4144.2	4153.4	4193.6	4215.2	4209.0	4261.4	4298.4	4289.2	4335.5
7.5°	4138.0	4156.5	4141.1	4187.3	4221.3	4273.8	4329.3	4378.7	4425.0	4477.4	4486.7
10°	4193.6	4193.6	4221.3	4258.3	4347.8	4387.9	4468.1	4539.1	4628.6	4690.3	4665.7
12.5°	4252.2	4261.4	4261.4	4357.1	4431.1	4520.6	4594.7	4690.3	4816.8	4890.9	4927.9
15°	4310.8	4316.9	4347.8	4477.4	4588.5	4730.5	4798.3	4884.8	4955.8	5094.6	5097.6
17.5°	4363.3	4397.2	4489.8	4634.8	4773.7	4909.4	5017.4	5106.9	5168.6	5224.2	5211.8
20°	4560.7	4585.5	4681.1	4826.2	5032.9	5165.6	5202.6	5218.0	5258.1	5369.2	5335.3
22.5°	4752.1	4761.3	4850.8	5073.0	5218.0	5393.9	5434.0	5424.8	5440.2	5467.9	5517.3
25°	4949.5	4965.0	5088.4	5276.6	5480.3	5690.1	5724.1	5653.1	5631.5	5662.4	5665.5
27.5°	5202.6	5205.7	5363.1	5526.5	5758.0	5955.5	6007.9	5952.4	5850.6	5875.3	5915.4
30°	5523.5	5501.9	5659.3	5893.8	6137.5	6248.6	6338.1	6310.4	6199.3	6177.6	6143.8
32.5°	5893.8	5900.0	6041.9	6298.0	6458.5	6643.6	6739.3	6693.0	6622.0	6585.0	6606.6
35°	6415.3	6443.1	6538.7	6751.6	7010.8	7103.4	7254.6	7155.9	6970.7	7017.0	7057.1
37.5°	6844.2	6924.5	7103.4	7356.5	7510.7	7680.4	7736.0	7603.3	7467.5	7412.0	7544.7
40°	7501.5	7476.8	7674.3	7927.3	8155.7	8325.4	8254.4	8121.7	7785.4	7788.4	7825.5
42.5°	8066.2	8078.5	8229.7	8532.1	8843.8	8948.7	8723.4	8399.4	8026.1	7986.0	8066.2
45°	8541.4	8590.7	8677.2	9081.4	9386.9	9501.0	9084.5	8701.8	8201.9	8035.3	8168.0
47.5°	8711.1	8791.3	8979.5	9349.8	9652.2	9744.8	9411.5	8862.3	8365.5	8094.0	8164.9
50°	8735.8	8708.0	9016.6	9356.0	9621.4	9822.0	9528.8	8979.5	8325.4	8183.4	8161.8
52.5°	8060.0	8195.8	8526.0	8991.9	9528.8	9849.7	9633.7	9044.4	8380.9	8220.4	8168.0
55°	6523.3	6362.8	6964.6	7748.3	8735.8	9627.6	9596.7	9078.3	8414.9	8282.2	8211.2
57.5°	3641.2	3687.4	4026.9	4878.6	6153.0	7634.2	8532.1	8720.3	8399.4	8322.3	8359.3
60°	1684.9	1700.2	1845.3	2243.4	3033.3	4329.3	5511.2	6711.5	7263.9	7375.0	7375.0
62.5°	1255.9	1249.7	1286.7	1357.7	1524.4	1990.3	2656.8	3610.3	4369.4	4900.2	5039.0
65°	1135.5	1132.5	1151.0	1175.6	1188.0	1252.8	1400.9	1694.1	1940.9	2082.9	2058.2
67.5°	993.6	990.5	996.7	1012.1	1033.8	1067.6	1104.7	1166.4	1252.8	1246.6	1231.2
70°	802.3	802.3	811.6	823.9	848.6	888.7	931.9	975.1	1049.1	1064.6	1061.5
72.5°	592.5	583.2	601.7	626.4	651.1	700.5	746.7	786.8	839.3	854.8	848.6
75°	376.4	382.7	395.0	422.8	465.9	499.9	549.3	583.2	617.1	629.5	632.6
77.5°	209.8	216.0	237.6	271.6	314.8	351.8	395.0	422.8	444.4	447.4	450.5
80°	126.5	129.6	151.2	182.1	219.1	259.2	293.2	320.9	339.4	330.2	327.1
82.5°	77.1	80.2	98.7	126.5	157.4	188.2	225.2	249.9	268.4	256.1	243.8
85°	40.1	43.2	58.6	77.1	101.8	117.2	117.2	105.0	101.8	95.6	92.6
87.5°	12.4	12.4	15.4	18.5	15.4	18.5	21.6	24.7	24.7	27.8	24.7
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)