

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: P652424

Luminaire Tested: **GALN-SA6B-840-U-5MQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P652424  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-4)  
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-5MQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 80 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 25047.5 lumens  
Efficiency: N/A  
Efficacy: 103.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G1

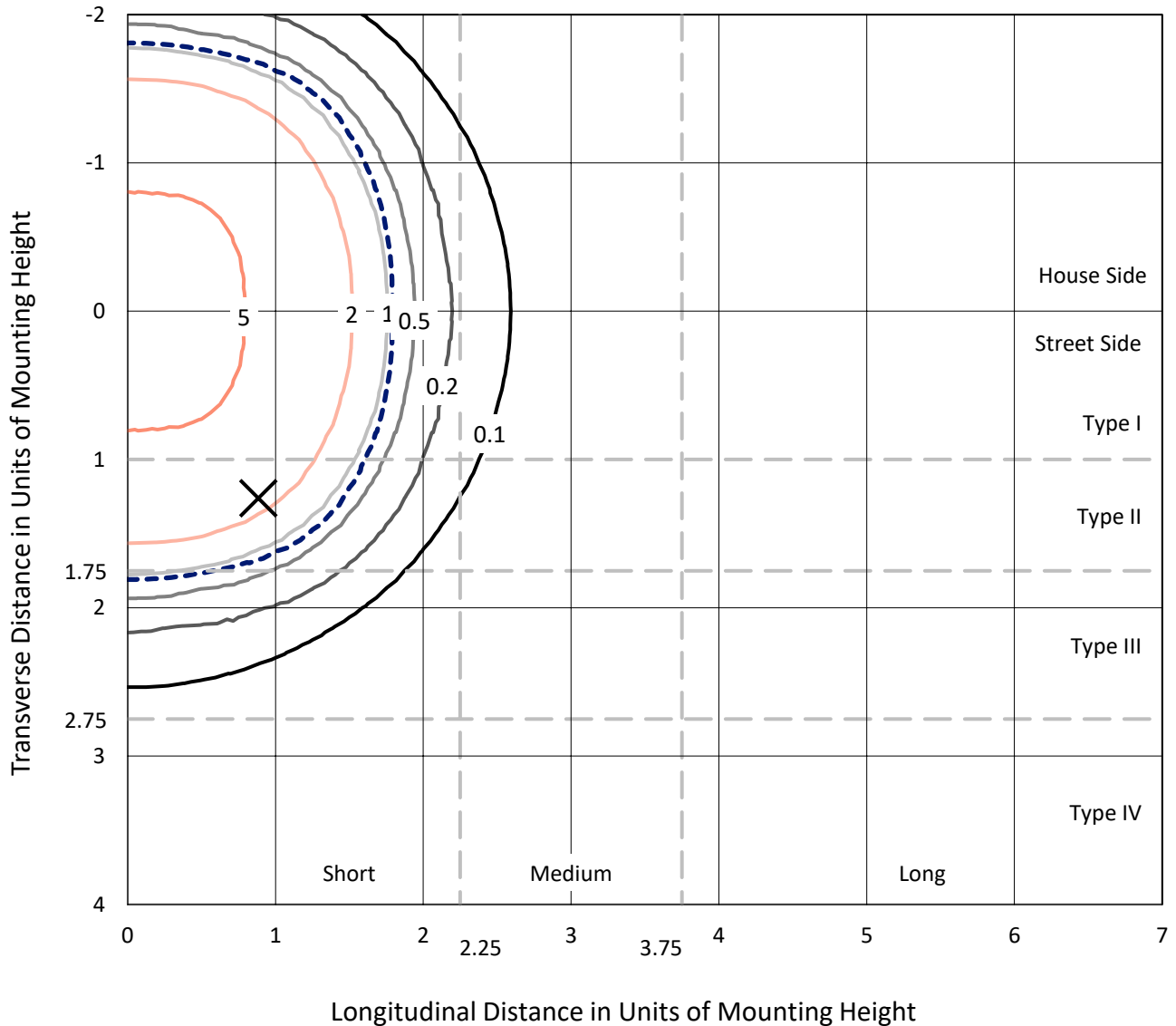
Input Watts (W): 243  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

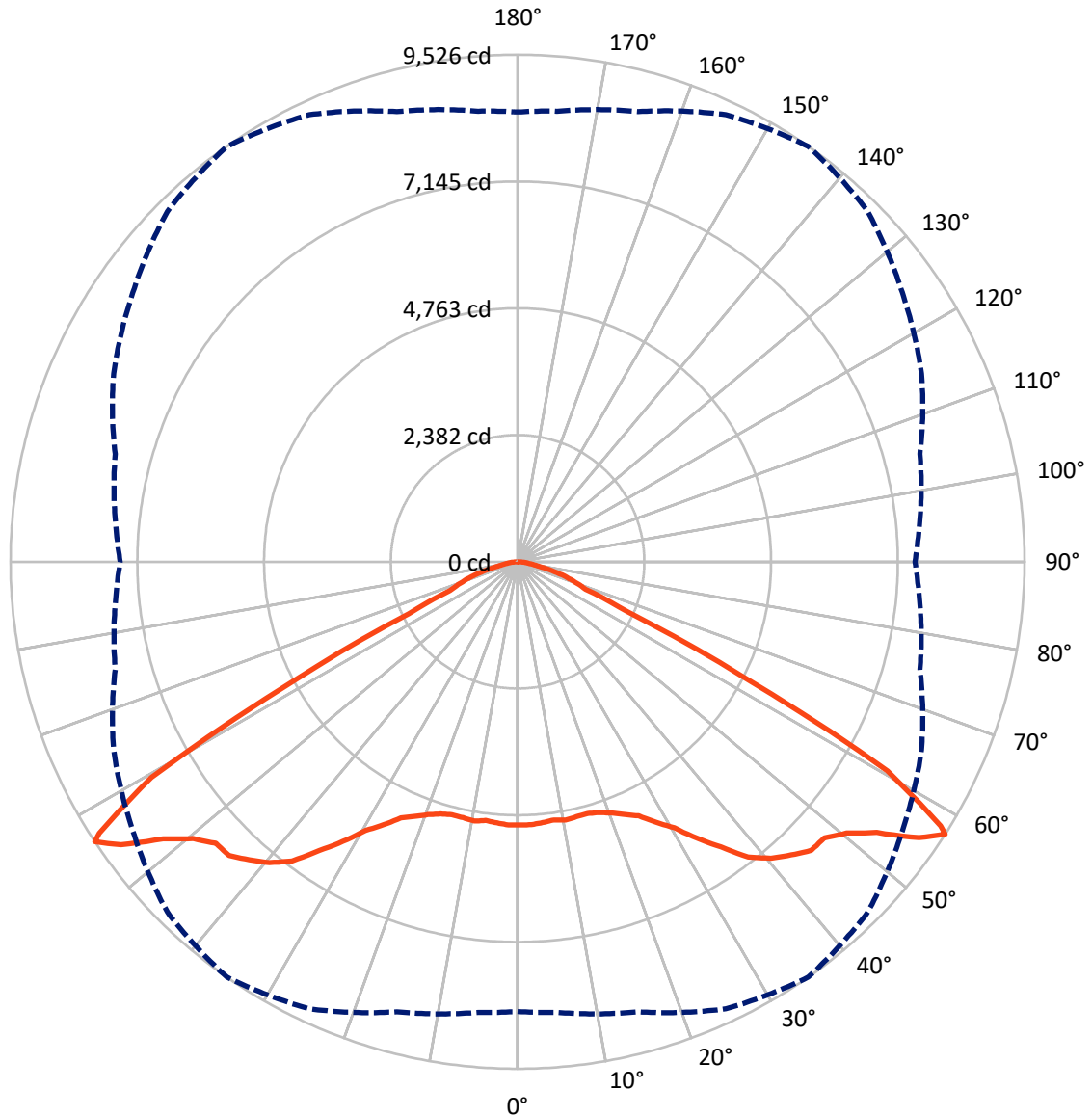
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral    - - - Horizontal Cone Through 57-Deg Vertical

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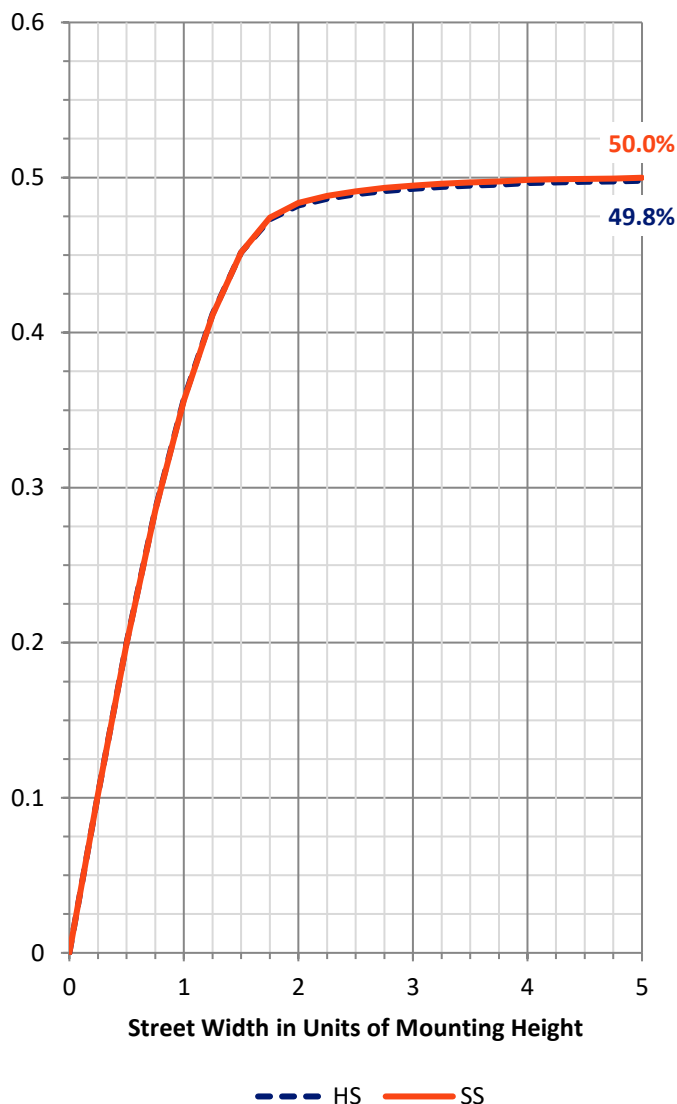
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12523.7	0.0	12523.7
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	12523.7	0.0	12523.7
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	25047.5	0.0	25047.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	469.0	1.9
10°-20°	1388.9	5.5
20°-30°	2425.8	9.7
30°-40°	3974.7	15.9
40°-50°	5827.8	23.3
50°-60°	7340.6	29.3
60°-70°	2760.7	11.0
70°-80°	734.1	2.9
80°-90°	125.9	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°	25047.5	100.0
0°-180°	25047.5	100.0

**Coefficient of Utilization**

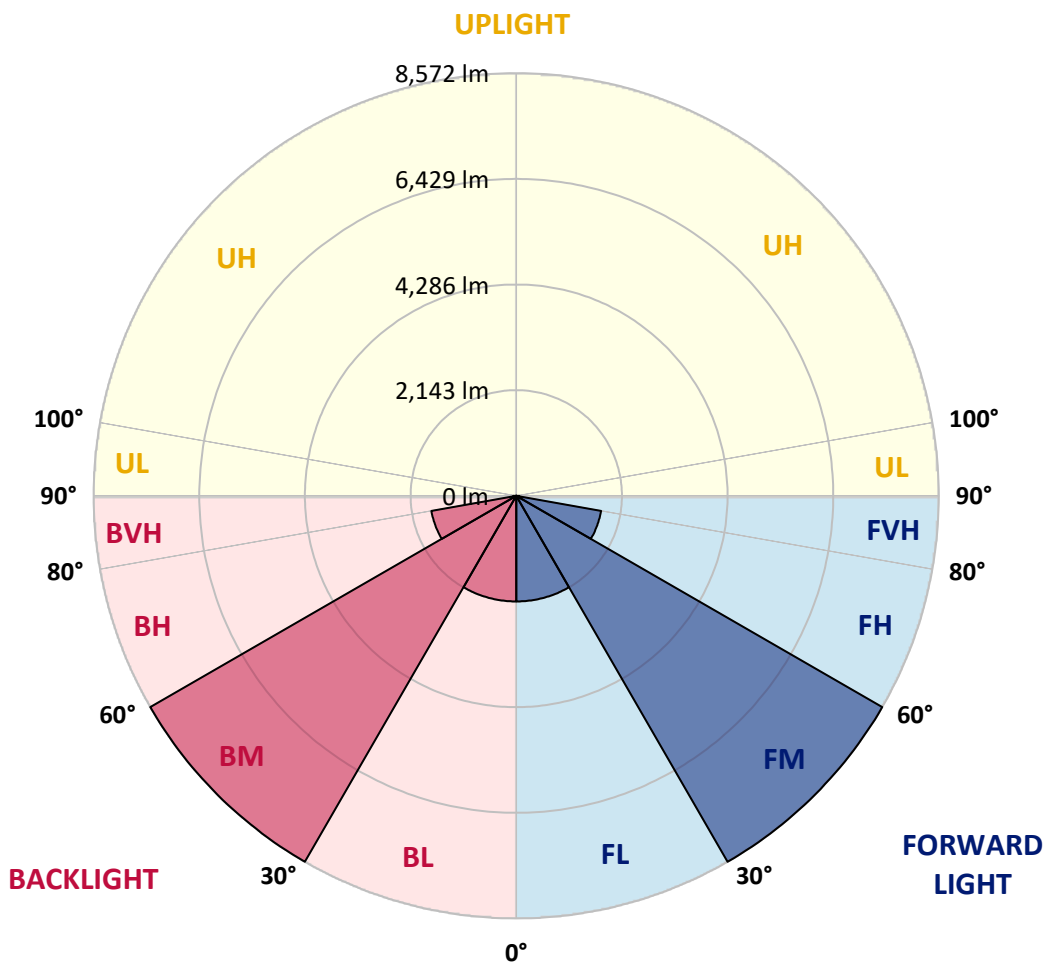


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2141.8	8.6			
FM (30°-60°)	8571.6	34.2			
FH (60°-80°)	1747.4	7.0			G1/1800
FVH (80°-90°)	62.9	0.3			G1/100
BL (0°-30°)	2141.8	8.6	B3/2500		
BM (30°-60°)	8571.6	34.2	B5		
BH (60°-80°)	1747.4	7.0	B3/2500		G1/1800
BVH (80°-90°)	62.9	0.3			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°	4946.7	4946.7	4946.7	4946.7	4946.7	4946.7	4946.7	4946.7	4946.7	4946.7	4946.7
2.5°	4922.0	4971.4	4949.8	4937.4	4946.7	4931.3	4906.6	4934.3	4928.2	4903.5	4894.2
5°	4909.7	4946.7	4922.0	4946.7	4922.0	4965.2	4952.9	4906.6	4962.2	4909.7	4928.2
7.5°	4900.4	4912.8	4918.9	4906.6	4897.3	4949.8	4922.0	4900.4	4869.6	4860.3	4875.7
10°	4878.8	4909.7	4863.4	4925.1	4937.4	4900.4	4900.4	4860.3	4835.6	4820.2	4872.7
12.5°	4934.3	4881.9	4875.7	4906.6	4915.8	4931.3	4888.1	4866.4	4820.2	4826.3	4817.1
15°	4869.6	4891.2	4894.2	4900.4	4909.7	4946.7	4906.6	4860.3	4841.8	4777.0	4783.1
17.5°	4894.2	4872.7	4894.2	4965.2	4952.9	4980.7	4937.4	4866.4	4823.3	4786.2	4835.6
20°	4937.4	4928.2	4937.4	5023.9	5039.3	5064.0	5026.9	4962.2	4878.8	4835.6	4860.3
22.5°	4983.8	4977.5	4983.8	5067.0	5156.5	5187.4	5150.4	4999.2	4955.9	4875.7	4847.9
25°	5067.0	5073.2	5138.0	5230.6	5289.2	5347.8	5280.0	5172.0	5033.1	4983.8	4925.1
27.5°	5252.2	5267.6	5304.7	5440.4	5542.3	5594.8	5499.0	5350.9	5264.6	5162.7	5147.3
30°	5480.5	5480.5	5545.4	5662.6	5801.5	5881.7	5764.5	5588.5	5483.7	5428.1	5394.2
32.5°	5783.0	5749.0	5773.7	5980.4	6196.5	6264.4	6107.0	5891.0	5724.4	5650.3	5625.6
35°	6042.2	6063.8	6119.4	6341.6	6582.3	6739.6	6492.8	6211.9	6042.2	5974.3	5961.9
37.5°	6378.6	6415.6	6443.3	6748.9	7038.9	7097.5	6860.0	6634.6	6427.9	6372.3	6341.6
40°	6853.8	6829.1	6838.3	7063.6	7326.0	7363.0	7128.4	6967.9	6798.2	6764.3	6764.3
42.5°	7245.7	7217.9	7248.7	7332.1	7532.7	7504.9	7375.3	7258.0	7187.1	7150.0	7187.1
45°	7483.3	7477.2	7532.7	7594.4	7736.4	7643.8	7541.9	7560.4	7492.6	7430.8	7427.8
47.5°	7742.5	7702.4	7770.3	7862.8	7754.9	7711.6	7705.5	7745.6	7724.0	7616.0	7582.0
50°	7869.1	7853.6	7961.7	8069.6	8011.0	7912.2	7933.8	7998.7	7720.9	7575.9	7492.6
52.5°	8208.5	8211.6	8418.3	8476.9	8452.3	8307.2	8353.6	8177.6	7850.6	7646.9	7656.1
55°	8742.4	8720.7	8952.2	9125.0	9152.8	8967.6	8745.5	8498.6	8088.1	7881.3	7819.7
57°	8449.2	8498.6	8754.7	9267.0	9526.2	9307.1	8822.6	8372.1	7825.8	7575.9	7464.8
57.5°	8057.3	8137.5	8581.9	9097.3	9368.8	9350.2	8726.9	8137.5	7649.9	7261.1	7270.4
60°	5903.3	5918.8	6319.9	7137.7	7986.3	8004.8	7245.7	6464.9	5921.8	5499.0	5557.7
62.5°	3113.6	3184.6	3345.1	4002.4	4736.8	4915.8	4456.0	4054.9	3585.9	3264.8	3295.7
65°	1647.9	1638.6	1715.7	1900.9	2262.0	2354.5	2292.8	1975.0	1811.4	1759.0	1762.1
67.5°	1339.3	1354.7	1345.4	1354.7	1379.4	1419.5	1410.3	1422.6	1431.9	1447.3	1444.2
70°	1135.6	1135.6	1141.7	1144.9	1144.9	1163.4	1185.0	1225.1	1228.2	1243.6	1249.8
72.5°	894.9	888.8	898.0	919.6	922.7	938.1	969.0	993.6	1002.9	1002.9	984.4
75°	608.0	614.1	626.5	645.0	663.5	691.2	715.9	731.3	737.6	728.3	719.1
77.5°	342.5	348.7	357.9	385.8	407.4	432.0	459.8	475.2	490.6	493.8	475.2
80°	203.7	203.7	219.1	240.7	265.4	290.1	314.8	333.3	339.4	339.4	330.2
82.5°	123.5	126.5	138.8	160.5	182.1	197.5	219.1	234.6	246.8	243.8	237.6
85°	64.8	64.8	77.1	95.6	111.1	126.5	126.5	117.2	111.1	95.6	89.5
87.5°	21.6	18.5	24.7	24.7	21.6	24.7	24.7	27.8	27.8	27.8	27.8
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)