

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: P652107

Luminaire Tested: **GALN-SA9A-840-U-RW-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P652107  
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-SA9A-840-U-RW-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(9) 80 CRI, 4000K, 615mA 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: 30551 lumens  
Efficiency: N/A  
Efficacy: 111.5 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

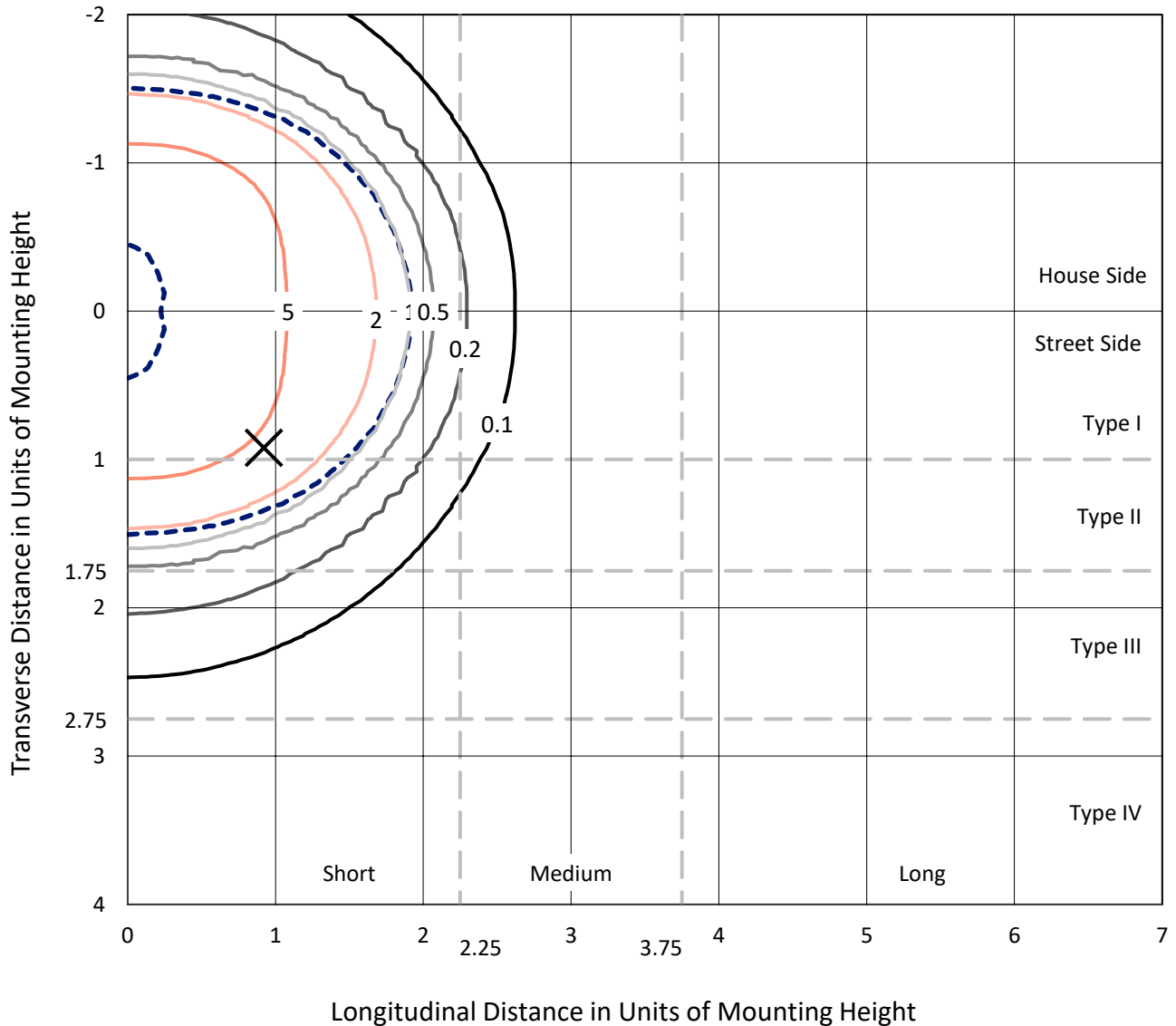
Input Watts (W): 274  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

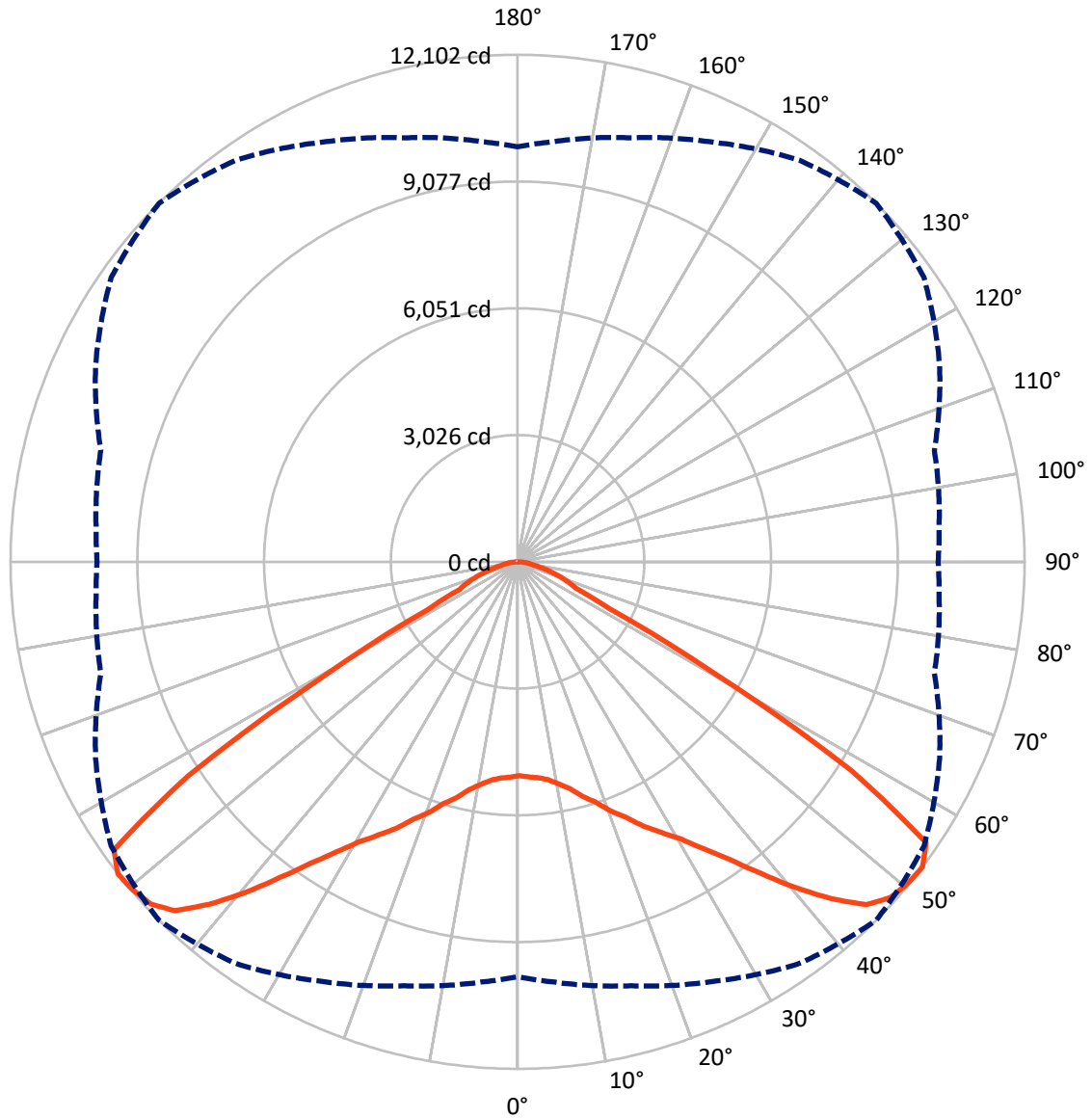
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 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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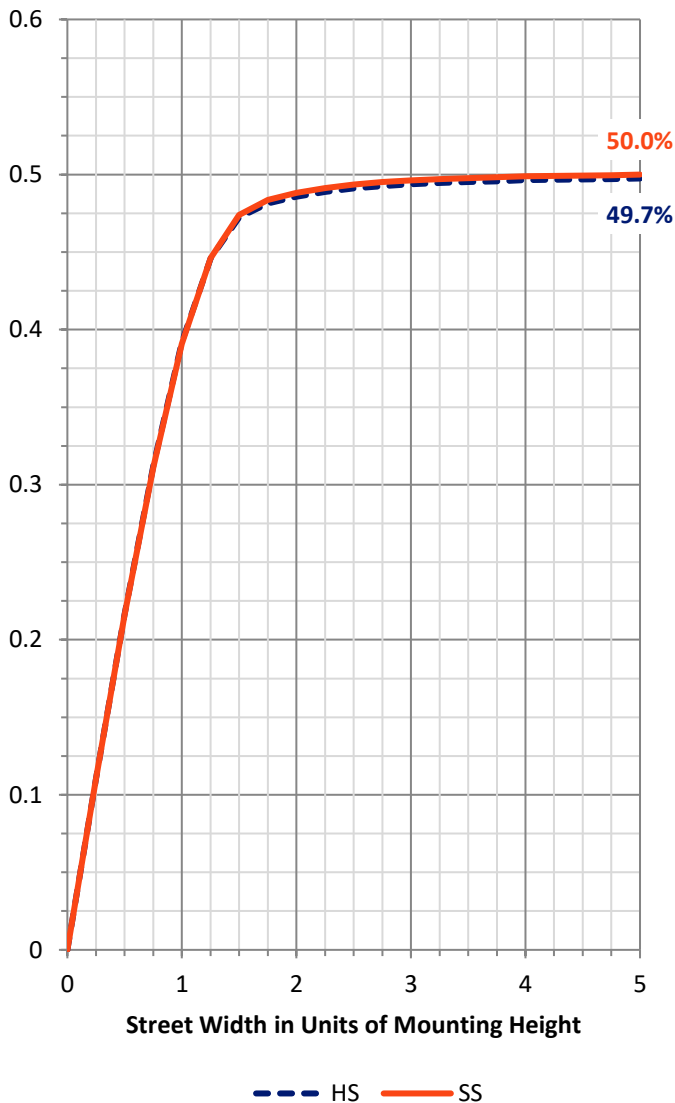
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15275.5	0.0	15275.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	15275.5	0.0	15275.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	30551.0	0.0	30551.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	501.7	1.6
10°-20°	1648.7	5.4
20°-30°	3138.9	10.3
30°-40°	5389.7	17.6
40°-50°	8284.2	27.1
50°-60°	8412.4	27.5
60°-70°	2344.4	7.7
70°-80°	691.6	2.3
80°-90°	139.3	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°	30551.0	100.0
0°-180°	30551.0	100.0

**Coefficient of Utilization**

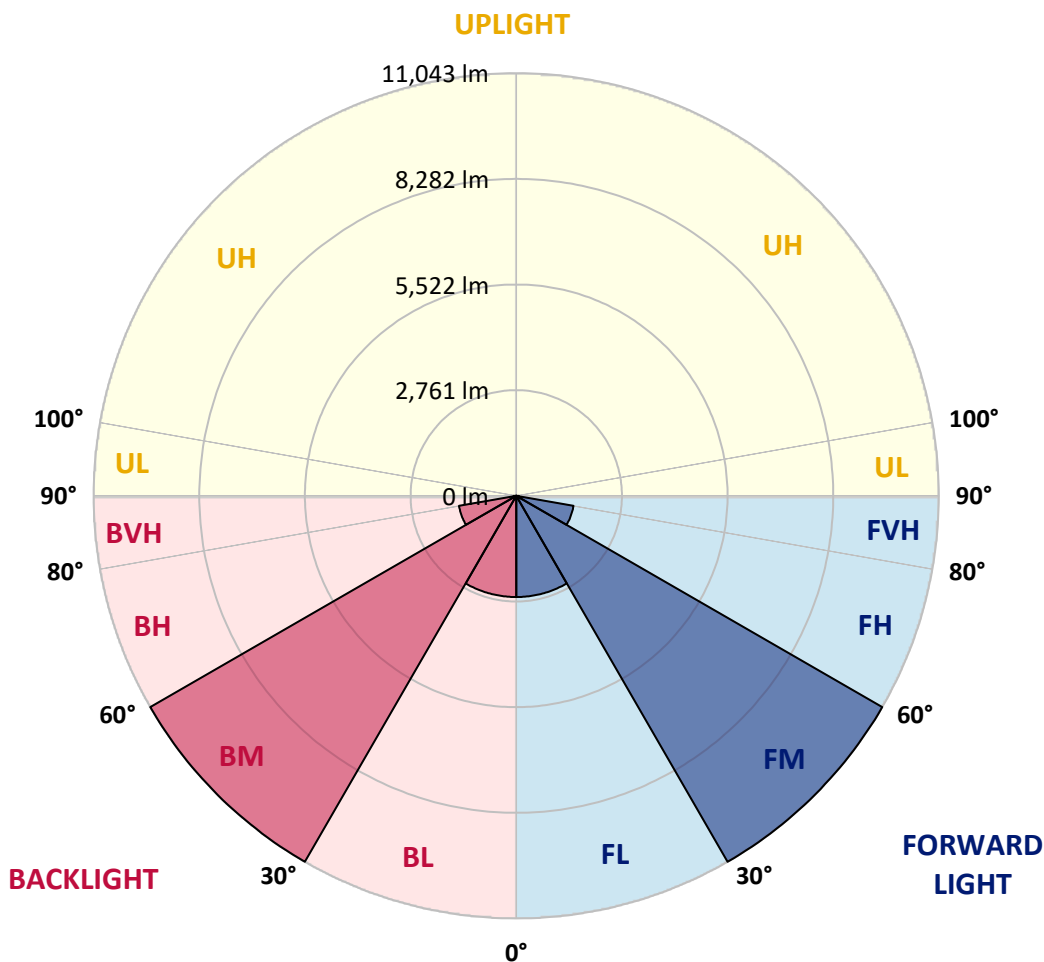


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2644.7	8.7			
FM (30°-60°)	11043.2	36.1			
FH (60°-80°)	1518.0	5.0			G1/1800
FVH (80°-90°)	69.7	0.2			G1/100
BL (0°-30°)	2644.7	8.7	B4/5000		
BM (30°-60°)	11043.2	36.1	B5		
BH (60°-80°)	1518.0	5.0	B3/2500		G1/1800
BVH (80°-90°)	69.7	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°	5107.0	5107.0	5107.0	5107.0	5107.0	5107.0	5107.0	5107.0	5107.0	5107.0	5107.0
2.5°	5118.4	5065.3	5084.3	5095.6	5144.9	5141.1	5129.8	5144.9	5160.1	5163.9	5156.3
5°	5114.6	5076.7	5091.8	5103.2	5152.5	5179.0	5171.5	5235.9	5281.4	5270.0	5326.9
7.5°	5084.3	5107.0	5088.0	5144.9	5186.6	5251.0	5319.3	5380.0	5436.8	5501.3	5512.7
10°	5152.5	5152.5	5186.6	5232.1	5342.0	5391.4	5490.0	5577.2	5687.1	5763.0	5732.6
12.5°	5224.5	5235.9	5235.9	5353.5	5444.5	5554.4	5645.4	5763.0	5918.4	6009.4	6054.9
15°	5296.5	5304.2	5342.0	5501.3	5637.8	5812.2	5895.6	6001.8	6089.0	6259.6	6263.3
17.5°	5361.0	5402.8	5516.5	5694.7	5865.3	6032.1	6164.8	6274.8	6350.6	6418.8	6403.6
20°	5603.7	5634.0	5751.5	5929.7	6183.8	6346.8	6392.3	6411.3	6460.6	6597.1	6555.3
22.5°	5838.7	5850.1	5960.1	6233.1	6411.3	6627.3	6676.6	6665.3	6684.2	6718.3	6779.0
25°	6081.4	6100.4	6252.0	6483.3	6733.6	6991.3	7033.0	6945.8	6919.3	6957.2	6961.0
27.5°	6392.3	6396.1	6589.4	6790.4	7074.7	7317.4	7381.9	7313.6	7188.4	7218.8	7268.1
30°	6786.6	6760.0	6953.4	7241.5	7541.1	7677.6	7787.5	7753.4	7616.9	7590.4	7548.6
32.5°	7241.5	7249.2	7423.5	7738.2	7935.3	8162.8	8280.4	8223.6	8136.3	8090.8	8117.3
35°	7882.3	7916.4	8034.0	8295.5	8614.0	8727.8	8913.6	8792.2	8564.7	8621.6	8670.9
37.5°	8409.3	8507.9	8727.8	9038.6	9228.2	9436.8	9505.0	9342.0	9175.1	9106.9	9269.9
40°	9216.9	9186.6	9429.2	9740.0	10020.7	10229.2	10142.0	9979.0	9565.7	9569.5	9615.0
42.5°	9910.7	9925.9	10111.7	10483.2	10866.1	10995.1	10718.3	10320.2	9861.4	9812.1	9910.7
45°	10494.6	10555.2	10661.4	11158.1	11533.4	11673.7	11161.8	10691.7	10077.5	9872.8	10035.8
47.5°	10703.1	10801.6	11032.9	11487.9	11859.4	11973.2	11563.8	10888.8	10278.4	9944.8	10032.0
50°	10733.4	10699.3	11078.4	11495.5	11821.5	12068.0	11707.8	11032.9	10229.2	10054.7	10028.3
52.5°	9903.1	10070.0	10475.6	11048.1	11707.8	12102.2	11836.7	11112.6	10297.5	10100.2	10035.8
55°	8015.0	7817.9	8557.2	9520.2	10733.4	11829.2	11791.2	11154.3	10339.1	10176.1	10088.9
57.5°	4473.9	4530.7	4947.8	5994.2	7560.0	9379.9	10483.2	10714.5	10320.2	10225.4	10270.9
60°	2070.1	2089.0	2267.3	2756.4	3727.0	5319.3	6771.4	8246.3	8924.9	9061.4	9061.4
62.5°	1543.1	1535.5	1581.0	1668.2	1872.9	2445.5	3264.4	4435.9	5368.6	6020.7	6191.4
65°	1395.2	1391.4	1414.2	1444.5	1459.7	1539.3	1721.3	2081.5	2384.8	2559.2	2528.9
67.5°	1220.8	1217.0	1224.6	1243.6	1270.1	1311.8	1357.3	1433.1	1539.3	1531.7	1512.8
70°	985.7	985.7	997.2	1012.3	1042.7	1092.0	1145.0	1198.1	1289.1	1308.0	1304.2
72.5°	728.0	716.5	739.3	769.7	800.0	860.7	917.5	966.8	1031.2	1050.2	1042.7
75°	462.6	470.1	485.3	519.4	572.5	614.2	674.9	716.5	758.2	773.5	777.3
77.5°	257.9	265.4	291.9	333.6	386.7	432.2	485.3	519.4	546.0	549.8	553.5
80°	155.4	159.2	185.8	223.7	269.2	318.5	360.2	394.3	417.1	405.7	401.9
82.5°	94.8	98.6	121.4	155.4	193.3	231.3	276.8	307.1	329.8	314.7	299.5
85°	49.3	53.1	72.1	94.8	125.1	144.1	144.1	128.9	125.1	117.6	113.7
87.5°	15.1	15.1	18.9	22.7	18.9	22.7	26.6	30.4	30.4	34.1	30.4
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)